

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: January 22, 2004, 16:53:12 ; Search time 132 Seconds

(without alignments)
7179.164 Million cell updates/sec

Title: US-09-981-353-104

Sequence: 1 gtgttaggaagaagtaggag.....gtctatatatgttggaag 2147

Scoring table: IDENTITY NUC

Gapop 10.0, Gapext 1.0

Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Database : Issued Patents_NA.*

1: /cgn2_6/ptodata/1/ina/5A.COMB.seq:*
2: /cgn2_6/ptodata/1/ina/5B.COMB.seq:*
3: /cgn2_6/ptodata/1/ina/6A.COMB.seq:*
4: /cgn2_6/ptodata/1/ina/6B.COMB.seq:*
5: /cgn2_6/ptodata/1/ina/PTUS.COMB.seq:*
6: /cgn2_6/ptodata/1/ina/backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	350.2	16.3	467	US-09-440-315A-11	Sequence 11, Appl
2	324.2	15.1	634	US-09-385-982-511	Sequence 511, App
3	70.2	3.3	3640	US-08-627-873-6	Sequence 6, Appl
4	57	2.7	7218	US-08-233-463-14	Sequence 14, Appl
5	43.2	2.0	304	US-09-129-112-3	Sequence 4, Appl
6	39.8	1.9	6265	US-08-545-528D-1	Sequence 3, Appl
7	39.2	1.8	580073	US-08-840-767-53	Sequence 1, Appl
8	38.4	1.8	2205	US-08-840-767-7	Sequence 53, Appl
9	38.4	1.8	843	US-09-118-408-23	Sequence 23, Appl
10	37.6	1.8	843	US-09-506-855-23	Sequence 23, Appl
11	37.6	1.8	843	US-09-911-176B-23	Sequence 23, Appl
12	37.6	1.8	843	US-09-619-740-23	Sequence 23, Appl
13	37.6	1.8	843	US-09-506-852-23	Sequence 126, App
14	37.4	1.7	648	US-08-943-731-126	Sequence 3, Appl
15	37.4	1.7	24183	US-08-961-527-137	Sequence 137, App
16	37.2	1.7	12666	US-08-658-136-2	Sequence 2, Appl
17	37.2	1.7	53526	US-08-658-136-1	Sequence 1, Appl
18	37.2	1.7	53577	US-09-557-884-1	Sequence 1, Appl
19	37.2	1.7	1830121	US-09-643-990A-1	Sequence 1, Appl
20	37	1.7	2745	US-09-976-239-3	Sequence 109, App
21	36.8	1.7	1114	US-08-844-188-37	Sequence 37, Appl
22	36.4	1.7	1152	US-09-378-088A-109	Sequence 37, Appl
23	36.4	1.7	1152	US-09-378-088A-37	Sequence 37, Appl
24	36.4	1.7	1152	US-09-548-334A-37	Sequence 37, Appl
25	36.4	1.7	1498	US-07-965-668A-1	Sequence 1, Appl
26	36.4	1.7			
27	36.4	1.7			

C 28	36.4	1.7	1498	2	US-08-950-433-1	Sequence 1, Appl
C 29	36.4	1.7	1498	3	US-09-186-287-1	Sequence 1, Appl
C 30	36.4	1.7	2230	3	US-08-844-188-34	Sequence 34, Appl
C 31	36.4	1.7	2230	4	US-09-378-088A-34	Sequence 34, Appl
C 32	36.4	1.7	2230	4	US-09-548-334A-34	Sequence 34, Appl
C 33	35.8	1.7	2700	1	US-08-484-105-5	Sequence 5, Appl
C 34	35.8	1.7	2700	1	US-08-484-106-5	Sequence 5, Appl
C 35	35.8	1.7	4327	4	US-08-961-527-117	Sequence 117, App
C 36	35.8	1.7	4500	2	US-08-743-637B-35	Sequence 35, Appl
C 37	35.8	1.7	4500	3	US-08-526-840B-35	Sequence 35, Appl
C 38	35.8	1.7	43675	3	US-09-356-952-12	Sequence 12, Appl
C 39	35.6	1.7	2356	1	US-08-105-483-222	Sequence 222, App
C 40	35.6	1.7	2356	1	US-08-220-151-75	Sequence 75, Appl
C 41	35.6	1.7	2356	1	US-08-413-118-75	Sequence 51, Appl
C 42	35.6	1.7	2356	1	US-08-224-657-51	Sequence 224, App
C 43	35.6	1.7	2356	1	US-08-709-209-222	Sequence 222, App
C 44	35.6	1.7	2356	1	US-08-458-101-222	Sequence 78, Appl
C 45	35.6	1.7	2356	2	US-08-184-009-78	

ALIGNMENTS

```
RESULT 1
US-09-440-315A-11
; Sequence 11, Application US/09440315A
; Patent No. 6551812
; GENERAL INFORMATION:
; APPLICANT: Gould-Rothberg, Bonnie
; TITLE OF INVENTION: Compositions and Methods Relating to the
; TITLE OF INVENTION: Peroxisomal Proliferator Activated Receptor-Alpha
; FILE REFERENCE: 15966-533
; CURRENT APPLICATION NUMBER: US/09/440,315A
; PRIOR FILING DATE: 1999-11-12
; PRIOR APPLICATION NUMBER: 60/108,293
; PRIOR FILING DATE: 1998-11-13
; PRIOR APPLICATION NUMBER: 60/126,465
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 467
; TYPE: DNA
; ORGANISM: Rattus sp.
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (0)...(0)
; OTHER INFORMATION: 10n0.235.7 (homolog to human uridine
; OTHER INFORMATION: diphosphoglucose pyrophosphorylase mRNA)
; NAME/KEY: misc_feature
; LOCATION: (10)...(149)
; OTHER INFORMATION: wherein n may be a or t or g or c
; US-09-440-315A-11
```

Query Match 16.3%; Score 350.2; DB 4; Length 467;
Best Local Similarity 90.6%; Pred. No. 8e-89; Indels 3; Gaps 3;
Matches 406; Conservative 0; Mismatches 39;

QY	253	GGTGCTTCAGTTCACAGA-AGTCATTCGCAAGAGCTAGAAATATCTGGAAGA	311
DB	21	GGGGCTTCAGTTCACAGAAGGCTATTCGCAAGAGCTAGAAATATCTGGAAGA	80
QY	312	ACTGAAAAAATCTACACACAGATCATCATGAAATTTGAGCACCAAAAAAGA-CC	370
DB	81	ATTGAAAAAATCTCTTACACACAGCAAGCTTCTGAGCACCAAAAAAGATCT	140
QY	371	TGATGATTTTGGAGACCTATTCATGATTTTGGCAAGAAAGGGCTTCTGATTT	430
DB	141	TGATGATTTTGGAGACCTATTCATGATTTTGGCAAGAAAGGGCTTCTGATTT	200
QY	431	GGGAAAAATTCAGAGAGACCCCTGAGATTCGATTCACCTATGAAAGTAAGGCCA	490

Position	Sequence	Position	Sequence
Db	201 GGGGTAANAATCCAGAGA -CTCCGGAAGAATTCATTCACCCCTATGAAAAGATAAAGGCCA	259	
Oy	491 GGGGTTGCCGTATTAATATATCTTCGCTGTGTGAACAACCTAGAGTGTGTGAACCTCAATG	550	
Db	260 GAGGCTTCCCTGATATACATATCTTCTGTGTGAACAACCTGCTGTGTGAACCTCAATG	319	
Oy	551 GTGGTTTGGGAACCAAGCATGGGCTGCAAAAGCCCTAAAGTCTGATTGGTGTGAGGAATG	610	
Db	320 GTGGTTTGGGAACCAAGCATGGGCTGCAAAAGCCCTAAAGTCTGATTGGTGTGAAGGAATG	379	
Oy	611 AGAATACCTTTCTGGAATCTGAATCTGATTCAGACAAATTGAACATTTGAATTAACCTTACAATA	670	
Db	380 AGAATACCTTTTGGATCTTAACCGTTCAGCAAAATTGAACATCTGAACAAACCTATTAATA	439	
Oy	671 CAGATGTCTCCTCTGTGTTTAATGAATC	698	
Db	440 CAGATGTCCCGCTCGTATTATGAATTC	467	

RESULT 2
ITS-09-70

```

Sequence 511, Application US/09385982
Patent No. 6262334
GENERAL INFORMATION:
APPLICANT: ENDEGE, WILSON O., ET AL.
TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION
TITLE OF INVENTION: PRODUCTS: II
FILE REFERENCE: CCDNA-260XX
CURRENT APPLICATION NUMBER: US/09/385,982
CURRENT FILING DATE: 1999-08-30
EARLIER APPLICATION NUMBER: 09/328,111
EARLIER FILING DATE: 1999-06-08
EARLIER APPLICATION NUMBER: 60/117,393
EARLIER FILING DATE: 1999-01-27
EARLIER APPLICATION NUMBER: 60/098,639
EARLIER FILING DATE: 1998-08-31
NUMBER OF SEQ ID NOS: 544
SOFTWARE: FASTSEQ for Windows Version 3.0
SEQ ID NO 511
LENGTH: 634
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)..(634)
OTHER INFORMATION: n = A,T,C OR G
US-09-385-982-511

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Query Match

Query Match	15.1%;	Score 324.2;	DB 3;	Length 634;
Best Local Similarity	87.5%;	Pred. No. 1.9e-81;		
Matches 378; Conservative	0;	Mismatches 50;	Indels 4;	Gaps 3

QY	1398	CACATCGATCTCTTGCTGTGATGTCAAACCTCATAGTCTTAATCGAGATCTGCAC	1457
QY	1588	CAATCGATCTCTTGCTGTGATGTCAAACCTCATAGTCTTAATCGAGATCTGCAC <td>1647</td>	1647
Db	605	CAATCGATCTCTTGCTGTGATGTCAAACCTCATAGTCTTAATCGAGATCTGCAC <td>646</td>	646
QY	1458	AATGATGTAAGACGGGAATTTCTCACTGTCCTTGTTAAATTAAGCAATTCCTTAC <td>1517</td>	1517
Db	545	AATGA - GGAAGAGGGGAATTTCTTCACG - GGCCTGATTAATTAAGCAATTCCTTAC <td>489</td>	489
QY	1518	GAGGTTCAAGATTATCTAAGAAGATT - GAAAGTATACCAATATGCTTAATTTGATC <td>1576</td>	1576
Db	488	GAGGTTCAAGATTATCTAAGANATTTGGAAAGTANCCAGATATGCTTAATTTGATC <td>429</td>	429
QY	1577	ACCTCAAGTTTCAGAGATGTGACATTTGGAAAAATGTTTCATTAAGGAACGGTTA <td>1636</td>	1636
Db	428	NCCTCNCAGTTTCAGAGATGTGACATTTGGAAAAATGTTTCATTAAGGAACGGGTA <td>369</td>	369
QY	1637	TCATCATTTGCAAAATGATGATGTCAGAAATTTGATATCCCACTGGAGCAGTATTAGAACA <td>1696</td>	1696
Db	368	TCATCATTTGCAAAATGATGTCAGAGAAATTTGATATCCCACTGGAGCAGTATTAGAACA <td>309</td>	309
QY	1697	AGATTGTGTCGAAACCTTCGCATCTTGACCACTGAATGAATAATGATGTCGACCT <td>1756</td>	1756

Accession	Sequence	Position
Db	AGATTGTCCTGGAAACCTTGCATCTTGGACCACTGAATATGAAAAATACGTGGCACT	249
Qy	1757 TAAATAAAGGGCTAGTTCTTACCAATGAAATGTTCTCTAGATTTCTAAATATGGCAGGTA	181
Db	248 TAAATAAAGGGCTAGTTCTTACCAATGAAATGTTCTCTAGATTTCTAAATATGGCAGGTA	189
Qy	1817 CTTTACTATGTT 1828 	
Db	188 CTTTCTTACTTT 177	

RESULT 3

US-08 627-873-6.
; Sequence 6, Application US/08627873

GENERAL INFORMATION:

AFFILIANT: DAVIS, L. C.
 APPLICANT: Roessler, Paul G.
 TITLE OF INVENTION: ISOLATED GENE ENCODING WITH
 TITLE OF INVENTION: UDP-GLUCOSE 6-PHOSPHORYLASE AND
 TITLE OF INVENTION: PHOSPHOGLUCOMUTASE ACTIVITIES FROM
 TITLE OF INVENTION: CYCLOTELLA CRYPTICA
 NUMBER OF SEQUENCES: 9
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: National Renewable Energy Laboratory
 STREET: 1617 Cole Boulevard
 CITY: Golden
 STATE: CO
 COUNTRY: U.S.A.
 ZIP: 80401-3393
 COMPUTER READABLE FORM:
 MEDIUM TYPE: floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: ASCII (DOS) text (*.*)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/627, 873
 FILING DATE: April 3, 1996

ATTORNEY/AGENT INFORMATION:

NAME: Edna M. O'Connor
REGISTRATION NUMBER: 29252
REFERENCE/DOCKET NUMBER: 95-57
TELECOMMUNICATION INFORMATION:

INFORMATION FOR SEQ ID NO: 6:

```

;
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3640 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
;

```

MOLECULE TYPE: DNA (genomic)

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; FEATURE:
; FEATURE: 1.

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LOCATION: 1..24

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; NAME/KEY: intron
; LOCATION: 25..314
;

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LOCATION: 315..782

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; NAME/KEY: intron
; LOCATION: 783..885
;

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LOCATION: 886..1402

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; NAME/KEY: intlon
; LOCATION: 1403.1478
;

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LOCATION: 1479...3637

US-08-627-873-6

Query Match

3.3%; Score 70.2; DB 2; Length 3640;

Best Local Similarity 54.4%; Pred. No. 1.2e-09;
Matches 141; Conservative 0; Mismatches 118; Indels 0; Gaps 0;

OY 498 GCGTGAATATATATTTCCGCTTGAACAACACTAGTGTGGGAACATCGTGT 557
Db 461 GCGTGAAGCCCATTCCTCCCTGCTGCTTCAAGGTGTGGAAGCTCAACGGTGGCT 520
OY 558 GGAACACGACATGGGCTGCAAGGCTTAAAGTGTGATGGAGAAATGAGATAC 617
Db 521 GGGTACGGGCGATGGGCTGATGATAGGCTTTTGAAGGTGAGAAATGAGATAC 580
OY 618 CTTTGTGATCTGACTGTTCAGCAAAATTAACCTTAACAATACAGATGT 677
Db 581 CTTTGTGATTTGACGGCTAAGCAAGTATGTCATGAGGAGGAGTTTGAACAGAGT 640
OY 678 TCCTTGTGTTTAAAGACTCTTTTAAACGAGTAAATACAAAAATATCTACAGA 737
Db 641 CAAGTTTATGTTGAACAGATTTTTCGACTCGATGATATCTTGAAGTTTAAAGAC 700
OY 738 GTACATCATTTGTCGTGTG 756
Db 701 CAAGTATCTACTCTTGGC 719

RESULT 4

US-08-232-463-14/c
Sequence 14, Application US/08232463

Patent No. 5670367

GENERAL INFORMATION:

APPLICANT: DORNER, F.

APPLICANT: SCHEIFLINGER, F.

APPLICANT: FALKNER, F. G.

TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS

NUMBER OF SEQUENCES: 52

CORRESPONDENCE ADDRESS:

ADDRESSEE: Foley & Lardner

STREET: 1800 Diagonal Road, Suite 500

CITY: Alexandria

STATE: VA

COUNTRY: USA

ZIP: 22313-0299

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/232,463

FILING DATE:

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/07/935,313

FILING DATE:

APPLICATION NUMBER: EP 91 114 300.6

FILING DATE: 26-AUG-1991

ATTORNEY/AGENT INFORMATION:

NAME: BENT, Stephen A.

REGISTRATION NUMBER: 29,768

REFERENCE/DOCKET NUMBER: 30472/114 IMMU

TELECOMMUNICATION INFORMATION:

TELEPHONE: (703) 836-9300

TELEFAX: (703) 683-4109

TELEX: 899149

INFORMATION FOR SEQ ID NO: 14:

SEQUENCE CHARACTERISTICS:

LENGTH: 7218 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

IMMEDIATE SOURCE:

CLONE: pTZpT-F18

US-08-232-463-14

Query Match 2.7%; Score 57; DB 1; Length 7218;
Best Local Similarity 3.8%; Pred. No. 8.8e-06;
Matches 15; Conservative 223; Mismatches 153; Indels 0; Gaps 0;

OY 4 TTTGAGAGAAAGTGGGGCTGTGGTGTGGGACCGGCTACGGGTGACAAAGGGGG 63
Db 1442 TTTGTAACRR 1383
OY 64 TTACAGCTGGGCTGGCCAGCTTAGGGAGGGCTCAAGGTGTGATGTGAGGAGAG 123
Db 1382 RRR 1323
OY 124 AGAGAGAGAGAGAGGCGCTCAGAGTCACTTCAAGCTGAGCTTCCGGGCG 183
Db 1222 RRR 1263
OY 184 CCATTAAGCCCCCAATTTCCAGCTGTAAGAGAGAGAAATCTTAGCAAAAGCATG 243
Db 1262 RRR 1203
OY 244 TCTCAAGTGTGCTTCTCAGTTCCAAAGTCAATTCGCAAGAGCTAGATTTATCTGTG 303
Db 1202 RRR 1143
OY 304 AAGAAGAACTAGAAAAAATCTCACCACACATCATCATGATTTGACACACAA 363
Db 1142 RRR 1083
OY 364 AAGACCTGATGATTTTGGAGCTTATTC 394
Db 1082 RRR 1052

RESULT 5

US-08-627-873-4
Sequence 4, Application US/08627873

Patent No. 5928932

GENERAL INFORMATION:

APPLICANT: Jarvis, Eric E.

APPLICANT: Roesler, Paul G.

TITLE OF INVENTION: ISOLATED GENE ENCODING AN ENZYME WITH

TITLE OF INVENTION: UDP-GLUCOSE PYROPHOSPHORYLASE AND

TITLE OF INVENTION: PHOSPHOGLUCOMUTASE ACTIVITIES FROM

TITLE OF INVENTION: CYCLOTELLA CRYPTICA

NUMBER OF SEQUENCES: 9

CORRESPONDENCE ADDRESS:

ADDRESSEE: National Renewable Energy Laboratory

STREET: 1617 Cole Boulevard

CITY: Golden

STATE: CO

COUNTRY: U.S.A.

ZIP: 80401-3393

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: ASCII(DOS)text (*.*)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/627,873

FILING DATE: April 3, 1996

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Edna M. O'Connor

REGISTRATION NUMBER: 29252

REFERENCE/DOCKET NUMBER: 95-57

TELECOMMUNICATION INFORMATION:

TELEPHONE: 303/384-7573

TELEFAX: 303/384-7499

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 304 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-627-873-4

Query Match 2.0%; Score 43.2; DB 2; Length 304;
Best Local Similarity 58.6%; Pred. No. 0.014;
Matches 75; Conservative 0; Mismatches 53; Indels 0; Gaps 0;

QY 877 GGTGATATTTCAGCCAGTTTCTACAACTTGATGCTTGATACCTTTATAGAGAAAGC 936
DB 2 GGAGCTTGACGCGCCCTCATCGAGTGGCTCTCTGCGCCCTCGAAGAGAGA 61
QY 937 AAAGATATTATTTGTGTCTACATATGATATGCGGAGCAGATGATCTATAT 996
DB 62 TACAGTACATGCTGCTCAAACTCTGACAACTTGCGCACCCTTGACCTGAAAATC 121
QY 997 CTTAATCA 1004
DB 122 CTCACCCA 129

RESULT 6

US-09-129-112-3
Sequence 3, Application US/09129112

Patent No. 6465716
GENERAL INFORMATION:

APPLICANT: Etzler, Marilyn E.
APPLICANT: Murphy, Judith B.

TITLE OF INVENTION: The Regents of the University of California
FILE REFERENCE: 023070-079810US

CURRENT APPLICATION NUMBER: US/09/129,112
CURRENT FILING DATE: 1998-08-04
PRIOR APPLICATION NUMBER: US 08/907,226

PRIOR FILING DATE: 1997-08-06
NUMBER OF SEQ ID NOS: 19

SOFTWARE: Patent In Ver. 2.1
SEQ ID NO 3

LENGTH: 6265

TYPE: DNA

ORGANISM: Dolichos biflorus

FEATURE:
OTHER INFORMATION: genomic sequence of NBP46 (DB46)

NAME/KEY: exon

LOCATION: (633)..(944)

NAME/KEY: intron

LOCATION: (945)..(1022)

NAME/KEY: exon

LOCATION: (1023)..(1151)

NAME/KEY: intron

LOCATION: (1152)..(1559)

NAME/KEY: exon

LOCATION: (1560)..(1616)

NAME/KEY: intron

LOCATION: (1617)..(1697)

NAME/KEY: exon

LOCATION: (1698)..(1790)

US-09-129-112-3

Query Match 1.9%; Score 39.8; DB 4; Length 6265;
Best Local Similarity 48.9%; Pred. No. 0.56;
Matches 107; Conservative 0; Mismatches 112; Indels 0; Gaps 0;

QY 1760 ATATGCGCTAGCTTTCTTCAATGAATGTTCTAGATCTTAATAATGAGGACTT 1819
DB 1940 AATTTGGCTATATTTGTGAAGAAAGAAAGTATGATTTTCATATGTAAGATTT 1999
QY 1820 TACTATGTTACTGACCTGCGAGTGTGATTTTAAATAGAGTTTTCGCGATGCTT 1879
DB 2000 TAATTAATTTTATTAATCTTTTAACTTAAATAATATGACACTTATGTTGT 2059
QY 1880 TTAGCTAAGAAAGAGAGATGAGCACTTCTTCTTGAAGAAATCCCAAG 1939

DB 2060 GGTGATGATCCATACCCCATATGACATTAATGATGATGATGATGATGAT 2119
QY 1940 TTAGTATCTTAAGTGCATATGTTTATCTTAATA 1978
DB 2120 TTATCAATGTCATTTATTTATGTAAGTCTTAATA 2158

RESULT 7

US-08-545-528D-1/C

Sequence 1, Application US/08545528D
Patent No. 6537773

GENERAL INFORMATION:
APPLICANT: Fraser et al.

TITLE OF INVENTION: Nucleotide Sequence of the Mycoplasma Genitalium Genome, Fragment
Patent No. 6537773

TITLE OF INVENTION: Thereof, and Uses Thereof
FILE REFERENCE: PBI93P1

CURRENT APPLICATION NUMBER: US/08/545,528D
CURRENT FILING DATE: 1995-10-19

PRIOR APPLICATION NUMBER: US 08/488,018
PRIOR FILING DATE: 1995-06-07

PRIOR APPLICATION NUMBER: US 08/473,545
PRIOR FILING DATE: 1995-06-07

NUMBER OF SEQ ID NOS: 1
SOFTWARE: Patent In version 3.1

SEQ ID NO 1
LENGTH: 580073

TYPE: DNA

ORGANISM: Mycoplasma genitalium
US-08-545-528D-1

Query Match 1.8%; Score 39.2; DB 4; Length 580073;
Best Local Similarity 47.2%; Pred. No. 7.5; Indels 0; Gaps 0;
Matches 119; Conservative 0; Mismatches 133; Indels 0; Gaps 0;

QY 1533 TCTAAGAGATTGTAAGATATACAGATATGTTGATGATGATGATGATGATG 1592
DB 319653 TTTTGAAGATTTTCTTATGACAAACAGCTTTAGAGATCAAAAGATTTATTT 319594

QY 1593 AGATGATGATTTGTAAGAAATGTTTCAATTAAGGAACGGTATCATCATTCGAATCA 1652
DB 319593 AATGTGCTGCTGTTCTTCAATTTTCAATCAATGAAAGTTCCTCAATTTGCTGTGTC 319534

QY 1653 TGGTACAGAAATGATATCCACCTGAGAGATTAAGAAACAGATTTGCTGAA 1712
DB 319533 TGAATATGAGTGTGCTGATCATCAATGAATTTCTATCAAAACATGCTTTGATTA 319474

QY 1713 CTTGCGATCTTGGACCACTGAATGAATGAATTAATGAGACCTTAATTAATGAGCTAGT 1772
DB 319473 AATTACTACCTCTTTCTTCAAAAAGATTTTACTTCATACGTAATGCGAAACTTAA 319414

QY 1773 TTCTTCAATGA 1784
DB 319413 TACAAACCATTA 319402

RESULT 8

US-08-840-767-53

Sequence 53, Application US/08840767B
Patent No. 6255464

GENERAL INFORMATION:
APPLICANT: Vogelstein, Bert

APPLICANT: Kinzler, Kenneth W.
APPLICANT: Riggs, Gregory J.

TITLE OF INVENTION: MAD-Related Genes in the Human
FILE REFERENCE: 01107,05548

CURRENT APPLICATION NUMBER: US/08/840,767B
CURRENT FILING DATE: 1997-04-16

EARLIER APPLICATION NUMBER: 60/015,823
EARLIER FILING DATE: 1996-04-18

NUMBER OF SEQ ID NOS: 53
SOFTWARE: FastSeq for Windows Version 3.0

SEQ ID NO 53
LENGTH: 2205
TYPE: DNA
ORGANISM: Homo sapiens
US-08-840-767-53

Query Match 1.8%; Score 38.4; DB 3; Length 2205;
Best Local Similarity 46.7%; Pred. No. 0.83;
Matches 157; Conservative 0; Mismatches 176; Indels 3; Gaps 1;

1790 TCTCTAGAGATTCTAAATATGAGGAGTACTTTACTATGTTACTGTACCTGCGAGTGTGAT 1849
1514 TCTTCTGTTTCAATATGAGAGATTTCTTTCAATATATATTTAGTGAGACTTGTGTTTA 1573
1850 TTTTAAATAGAGTTTCTGAGTATGCTTTTATGCTAAGAAAAGACAGATGAGCAAT 1909
1574 ATTTTAAAGAACTTTGAGTACAGATCTGTGAGCTTACATTGAAAACGATATTACAGC 1633
1910 ACTTTCCTCTTGAAGAGATCCGAAAGTTAGTTCATCTTAAAGTCAATATTTGTTTA 1969
1634 TTATTTTCTTACATATATGACCAATATCTTTGATTTGTATGATATCTACATTTG 1693
1970 ATCTTAAACTGGGCACTTTGAAAGACTTTTAAACAGAGCCTCAATGATGATCACTT 2029
1694 TTTGATTCATGTTCA--TGTGATTAATCTTTAGAGAGTGTGTAAGATGACAGATTA 1750
2030 GAATTCCTTGTGATTTCAAAATTAAGCAGTACCAATATCTGTGATCACTGATCTT 2089
1751 GTATATGCCCCAGTTCAAGAAATTTGGCATGTATCTTAACTGGAACATGCTTTACTTT 1810
2090 ATATGCTACTATTAATGCTTTTATTTGTTTGA 2125
1811 ATTGCCCTTAACAATTTTATTAATTTATTTGAAA 1846

RESULT 9
US-08-840-767-7
Sequence 7, Application US/08840767B
Patent No. 6255464

GENERAL INFORMATION:
APPLICANT: Vogelstein, Bert
APPLICANT: Kinzler, Kenneth W.
APPLICANT: Riggs, Gregory J.
APPLICANT: Thibault, Sam
TITLE OF INVENTION: MAD-Related Genes in the Human
FILE REFERENCE: 01107.05548
CURRENT APPLICATION NUMBER: US/08/840.767B
CURRENT FILING DATE: 1997-04-16
EARLIER APPLICATION NUMBER: 60/015,823
EARLIER FILING DATE: 1996-04-18
NUMBER OF SEQ ID NOS: 53
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 7
LENGTH: 2449
TYPE: DNA
ORGANISM: Homo sapiens
US-08-840-767-7

Query Match 1.8%; Score 38.4; DB 3; Length 2449;
Best Local Similarity 46.7%; Pred. No. 0.88;
Matches 157; Conservative 0; Mismatches 176; Indels 3; Gaps 1;

1790 TCTCTAGAGATTCTAAATATGAGGAGTACTTTACTATGTTACTGTACCTGCGAGTGTGAT 1849
1758 TCTTCTGTTTCAATATGAGAGATTTCTTTCAATATATATTTAGTGAGACTTGTGTTTA 1817
1850 TTTTAAATAGAGTTTCTGAGTATGCTTTTATGCTAAGAAAAGACAGATGAGCAAT 1909
1818 ATTTTAAAGAACTTTGAGTACAGATCTGTGAGCTTACATTGAAAACGATATTACAGC 1877
1910 ACTTTCCTCTTGAAGAGATCCGAAAGTTAGTTCATCTTAAAGTCAATATTTGTTTA 1969
1878 TTATTTTCTTACATATATGACCAATATCTTTGATTTGTATGATGATCACTTATTTG 1937

1970 ATCTTAAACTGGGCACTTTGGAAGACTTTTAAACAGAGCCTCAATGATGATCACTT 2029
1938 TTTGATTCATGTTCA--TGTGATTAATCTTTGAAATGTTGTTAAAGATGACAGATTA 1994
2030 GAATTCCTTGTGATTTCAAAATTAAGCAGTGAAGCAATCTTGTGTAACCTGTACTT 2089
1995 GTATATGCCCCAGTTCAAGAAATTTGGCATGTATCTTAACTGGAACATGCTTTACTTT 2054
2090 ATATGCTACTATTAATGCTTTTATTTGTTTGA 2125
2055 ATTGCCCTTAACAATTTTATTAATTTATTTGAAA 2090

RESULT 10
US-09-118-408-23
Sequence 23, Application US/09118408A
Patent No. 6265544
GENERAL INFORMATION:
APPLICANT: Sheppard, Paul O.
TITLE OF INVENTION: ADIPOCYTE-SPECIFIC PROTEIN HOMOLOGS
FILE REFERENCE: 97-30
CURRENT APPLICATION NUMBER: US/09/118.408A
CURRENT FILING DATE: 1998-07-17
EARLIER APPLICATION NUMBER: 60/053,154
EARLIER FILING DATE: 1997-07-18
NUMBER OF SEQ ID NOS: 47
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 23
LENGTH: 843
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Degenerate nucleotide sequence encoding zsig37
FEATURE:
NAME/KEY: variation
LOCATION: (1)...(843)
OTHER INFORMATION: Each N is independently any nucleotide.
US-09-118-408-23

Query Match 1.8%; Score 37.6; DB 3; Length 843;
Best Local Similarity 28.6%; Pred. No. 0.88;
Matches 75; Conservative 46; Mismatches 141; Indels 0; Gaps 0;

568 ATGGCTGCAAGAGCCCTTAAAGTCTGATTTGTTGAGAAATGAGATACCTTCTGAT 627
382 AARGNCARARAGNWSNATGCGNCNCNGNGBMGTGYAARWSNCATTAAGCNGCN 441
628 CTGACTGTGCAAAATTGAACATTTGAATAAACTCAATACAGATGCTTCTGTT 687
442 TTVNSNGTNGNMMNAAARACNATGCAVSNAAVCYTAATVYCAACNGTNAHTTY 501
688 TTAATGAACCTTTTAAACAGATGATACCAAAAAATACTACAGAGTACATCAT 747
502 GAYACNGARTTYGNAAYTMTAAGAYCAATTAAYATGTTAACNGAATTTATATGY 561
748 TGTGCTGTAATATCTACCTTCAATCAAAAGCAGTACCCGAGATTAATTAAGATCT 807
562 TAYGNCNGGNTNTATYTTTAYTYSMTNAAYGNTGAAVCAANTGAAVCAABAGABACN 621
808 TTAATCTCTGAGCAAGAGC 829
622 TAYTNCAYATHTATGAABAAYG 643

RESULT 11
US-09-506-855-23
Sequence 23, Application US/09506855
Patent No. 6448221
GENERAL INFORMATION:
APPLICANT: Sheppard, Paul O.
APPLICANT: Lasser, Gerald W.

APPLICANT: Bishop, Paul D.
TITLE OF INVENTION: INHIBITORS FOR USE IN HEMOSTASIS AND
FILE REFERENCE: 99-12
CURRENT APPLICATION NUMBER: US/09/506,855
CURRENT FILING DATE: 2000-02-17
NUMBER OF SEQ ID NOS: 50
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 23
LENGTH: 843
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Degenerate nucleotide sequence encoding zsig37
OTHER INFORMATION: polypeptide
FEATURE:
NAME/KEY: variation
LOCATION: (1)...(843)
OTHER INFORMATION: Each N is independently any nucleotide.
US-09-506-855-23

Query Match 1.8%; Score 37.6; DB 4; Length 843;
Best Local Similarity 28.6%; Pred. No. 0.88;
Matches 75; Conservative 46; Mismatches 141; Indels 0; Gaps 0;

QY 568 ATGGCTGCAAGGCCCTTAAAGTCTGATGTGTGAGGAATGAGAAATACCTTTCTTGAT 627
DB 382 AARGNCARBARGGWSNATGGGNCNCNGNGBMGTGTAARMSCAITAYGCNGCN 441
QY 628 CTGACTGTTCAGCAATTTGAACATTTGAATAAACTCAATACAGATGTTCTCTGTT 687
DB 442 TTYMSNGTNGMGAARBARCNAATGCAYMSNAVCATYATYACARCNCTNATHHTY 501
QY 688 TTAATGAACCTCTTTTAACACGATGATGACCAAAAAATACTACAGATCAATCAT 747
DB 502 GAYACNGARTYGTNAAYTTATYAGAYCATYTAAYATGTTYACNGNAARTTYATYGY 561
QY 748 TGTGCTGGAATAATCTACACTTTCAATCAAGCAGTACCCGAGATTAATAAGATCT 807
DB 562 TAYGTCNGGNYTTATYTTTYSNTNAAYGTNCAYACNTGGAAYCARARBARCN 621
QY 808 TTAATGAACCTCTTTTAACAGGAGAGC 829
DB 622 TAYTNCAYATHATGABAAAYG 643

RESULT 12
US-09-911-176B-23
Sequence 23, Application US/09911176B

Patient No. 6518403
GENERAL INFORMATION:
APPLICANT: Sheppard, Paul O.
TITLE OF INVENTION: ANTIBODIES THAT BIND AN
OTHER INFORMATION: ADIPOCYTE-SPECIFIC PROTEIN HOMOLOG
FILE REFERENCE: 97-3001
CURRENT APPLICATION NUMBER: US/09/911,176B
CURRENT FILING DATE: 2001-07-23
PRIOR APPLICATION NUMBER: 09/118,408
PRIOR FILING DATE: 1998-07-17
PRIOR APPLICATION NUMBER: 60/053,154
PRIOR FILING DATE: 1997-07-18
NUMBER OF SEQ ID NOS: 52
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 23
LENGTH: 843
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Degenerate nucleotide sequence encoding zsig37
OTHER INFORMATION: polypeptide
NAME/KEY: variation
LOCATION: (1)...(843)

OTHER INFORMATION: Each N is independently any nucleotide.
US-09-911-176B-23

Query Match 1.8%; Score 37.6; DB 4; Length 843;

Best Local Similarity 28.6%; Pred. No. 0.88;
Matches 75; Conservative 46; Mismatches 141; Indels 0; Gaps 0;

QY 568 ATGGCTGCAAGGCCCTTAAAGTCTGATGTGTGAGGAATGAGAAATACCTTTCTTGAT 627
DB 382 AARGNCARBARGGWSNATGGGNCNCNGNGBMGTGTAARMSCAITAYGCNGCN 441
QY 628 CTGACTGTTCAGCAATTTGAACATTTGAATAAACTCAATACAGATGTTCTCTGTT 687
DB 442 TTYMSNGTNGMGAARBARCNAATGCAYMSNAVCATYATYACARCNCTNATHHTY 501
QY 688 TTAATGAACCTCTTTTAACACGATGATGACCAAAAAATACTACAGATCAATCAT 747
DB 502 GAYACNGARTYGTNAAYTTATYAGAYCATYTAAYATGTTYACNGNAARTTYATYGY 561
QY 748 TGTGCTGGAATAATCTACACTTTCAATCAAGCAGTACCCGAGATTAATAAGATCT 807
DB 562 TAYGTCNGGNYTTATYTTTYSNTNAAYGTNCAYACNTGGAAYCARARBARCN 621
QY 808 TTAATGAACCTCTTTTAACAGGAGAGC 829
DB 622 TAYTNCAYATHATGABAAAYG 643

RESULT 13
US-09-619-740-23
Sequence 23, Application US/09619740

Patient No. 6544946
GENERAL INFORMATION:
APPLICANT: Sheppard, Paul O.
APPLICANT: Laesser, Gerald W.
TITLE OF INVENTION: INHIBITORS FOR USE IN HEMOSTASIS AND IMMUNE FUNCTION
FILE REFERENCE: 99-123
CURRENT APPLICATION NUMBER: US/09/619,740
CURRENT FILING DATE: 2000-07-19
PRIOR APPLICATION NUMBER: 09/253,604
PRIOR FILING DATE: 1999-02-19
PRIOR APPLICATION NUMBER: 09/444,794
PRIOR FILING DATE: 1999-11-22
PRIOR APPLICATION NUMBER: 09/506,855
PRIOR FILING DATE: 2000-02-17
NUMBER OF SEQ ID NOS: 55
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 23
LENGTH: 843
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Degenerate nucleotide sequence encoding zsig37
OTHER INFORMATION: polypeptide
NAME/KEY: variation
LOCATION: (1)...(843)
OTHER INFORMATION: Each N is independently any nucleotide.
US-09-619-740-23

Query Match 1.8%; Score 37.6; DB 4; Length 843;
Best Local Similarity 28.6%; Pred. No. 0.88;
Matches 75; Conservative 46; Mismatches 141; Indels 0; Gaps 0;

QY 568 ATGGCTGCAAGGCCCTTAAAGTCTGATGTGTGAGGAATGAGAAATACCTTTCTTGAT 627
DB 382 AARGNCARBARGGWSNATGGGNCNCNGNGBMGTGTAARMSCAITAYGCNGCN 441
QY 628 CTGACTGTTCAGCAATTTGAACATTTGAATAAACTCAATACAGATGTTCTCTGTT 687
DB 442 TTYMSNGTNGMGAARBARCNAATGCAYMSNAVCATYATYACARCNCTNATHHTY 501
QY 688 TTAATGAACCTCTTTTAACAGGAGATGACCAAAAAATACTACAGATCAATCAT 747

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Db      502 GAYNCGARTTYGTNAAYTTATGAYCAVTTTAAATGTTTACGNGNAARTTAAATG 561
      748 TGTCTGTGAAATCTACACCTTTCATCAACAGGATCCGAGATTAAATGATCT 807
      562 TAYGNCNGGNYTATATTTTATTTTWSNTNAAVGNCAVACTGAAATCAABAARACN 621
Qy      808 TTAATCTCTGTAGCAAGAGCG 829
      622 TAYTNCAYATATGAAABAAYG 643

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RESULT 14
US-09-506-852-23
Sequence 23, Application US/09506852
Patent No. 6566499

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GENERAL INFORMATION:
APPLICANT: Sheppard, Paul O.
TITLE OF INVENTION: ADIPOCYTE-SPECIFIC PROTEIN HOMOLOGS
FILE REFERENCE: 97-30
CURRENT APPLICATION NUMBER: US/09/506,852
CURRENT FILING DATE: 2000-02-17
EARLIER APPLICATION NUMBER: 60/053,154
EARLIER FILING DATE: 1997-07-18
NUMBER OF SEQ ID NOS: 44
SOFTWARE: FASTSEQ for Windows Version 3.0
SEQ ID NO 23
LENGTH: 843
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Degenerate nucleotide sequence encoding zsig37
US-09-506-852-23

```

Query Match 1.8%; Score 37.6; DB 4; Length 843;
Best Local Similarity 28.6%; Pred. No. 0.88;
Matches 75; Conservative 46; Mismatches 141; Indels 0; Gaps 0;

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Qy      568 ATGGGCTGCAAGGCCCTAAAGCTGATGCTGAGGAATGAGAAATACCTTCTGAT 627
      382 AARGNCARAAAGWMSNATGGGNCNCNGNGARMNTGTAAMSCATTAAGCNCN 441
      628 CTGACTGTTCAGCAATTTGAACTTGAATAAACTCAATACAGATGTTCTCTGTT 687
      442 TTYWNGNGNGMGNAARARCCNATGCAVMSNAVCATATATCAACAGTNAATHTTY 501
      688 TTAATGAACCTTTTAAACGAGATGACCAAAAAATTACTACAGAGTACATCAT 747
      502 GAVACNGARTTYGTNAAYTTATGAYCAVTTTAAATGTTTACNGNAARTTAAATGY 561
      748 TGTCTGTGAAATCTACACCTTTCATCAACAGGATCCGAGATTAAATGATCT 807
      562 TAYGNCNGGNYTATATTTTATTTTWSNTNAAVGNCAVACTGAAATCAABAARACN 621
      808 TTAATCTCTGTAGCAAGAGCG 829
      622 TAYTNCAYATATGAAABAAYG 643

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RESULT 15
US-08-943-731-126/c
Sequence 126, Application US/08943731
Patent No. 6265157

```

GENERAL INFORMATION:
APPLICANT: BROCKOP, DARWIN J.
APPLICANT: SPOTILIA, LORETTA D.
APPLICANT: DELTAS, CONSTANTINOS D.
APPLICANT: SEREDA, LARISA
APPLICANT: LARSON, ANDREA W.
APPLICANT: PACK, MICHAEL
APPLICANT: COLIGE, ALAIN
APPLICANT: EARLY, JAMES

```

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APPLICANT: KORKKO, JARMO
APPLICANT: ALA-KORKKO, LEENA, et al.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DETECTING
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DETECTING
NUMBER OF INVENTION: ALTERED TYPE I OR TYPE IX COLLAGEN GENE SEQUENCES
CORRESPONDENCE ADDRESS:

```

```

ADDRESS: PANITCH SCHWARZE JACOBS & NADEL, P.C.
STREET: ONE COMMERCE SQUARE, 2005 MARKET STREET, 22ND
CITY: PHILADELPHIA
STATE: PA
COUNTRY: USA
ZIP: 19103-7086

```

```

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/943,731
FILING DATE: 03-OCT-1997
CLASSIFICATION: 435

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PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/212,322
FILING DATE: 14-MAR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/803,628
FILING DATE: 03-DEC-1991

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ATTORNEY/AGENT INFORMATION:
NAME: DOYLE LEARY P.D., KATHRYN
REGISTRATION NUMBER: 36,317
REFERENCE/DOCKET NUMBER: 9598-27
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-965-1284
TELEFAX: 215-567-2991

```

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TELEX: 831-494
INFORMATION FOR SEQ ID NO: 126:
SEQUENCE CHARACTERISTICS:
LENGTH: 648 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)

```

US-08-943-731-126

Query Match 1.7%; Score 37.4; DB 3; Length 648;
Best Local Similarity 53.8%; Pred. No. 0.88;
Matches 77; Conservative 0; Mismatches 66; Indels 0; Gaps 0;

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Qy      1871 AGTATGCTTTAGCTAAGAAAGACAGATGAGCAATCTTCTCTTGAAGAA 1930
      375 AATATGAAATTAACCTTCACTTAACTATTTCTTTAAATTTTCTTACTATGAAAACCT 316
      1931 TCCCAAAAGTATGCTTCACTTAAAGTCAATATGTTAACTTAAACCTGGCACTTT 1990
      315 TTGTAAGAAAGTATGCTTCACTTAAAGTCAATATGTTAACTTAAACCTGGCACTTT 256
      1991 GGAAGAACTTTAAGAGAGCT 2013
      255 GACATCAACAACCTGCAAAAGACT 233

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Search completed: January 22, 2004, 16:55:39
Job time : 137 secs

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181 GGGCCATAAAGCCCCCAATTTCCAGCTGCTAAAGGAAGAGATCTTAGCAAGCA 240
181 GGGCCATAAAGCCCCCAATTTCCAGCTGCTAAAGGAAGAGATCTTAGCAAGCA 240
241 ATGTCTCAAGATGTGTCTTCTCAGTTCAGAAAGTCAATTCGGCAAGCTAGAAATTA 300
241 ATGTCTCAAGATGTGTCTTCTCAGTTCAGAAAGTCAATTCGGCAAGCTAGAAATTA 300
301 GTGAAGAGGAACCTAGAAAAAATCTACACAGCATCATCATGAAATTTAGCAACCC 360
301 GTGAAGAGGAACCTAGAAAAAATCTACACAGCATCATCATGAAATTTAGCAACCC 360
361 AAAAAAGCTGGAGATTTGGGAAGCTATTCTAGATTTTTCAGAAAAAGGGGCT 420
361 AAAAAAGCTGGAGATTTGGGAAGCTATTCTAGATTTTTCAGAAAAAGGGGCT 420
421 TCTGTGATTTGGGAAAAATCCAGAGACCCCTGAAAGATTCGATTCACCTATGAAAG 480
421 TCTGTGATTTGGGAAAAATCCAGAGACCCCTGAAAGATTCGATTCACCTATGAAAG 480
481 ATAAAGCCAGGGGCTTCTGCTGAATAATATCTTCCGTGTGAACAACCTAGTGTG 540
481 ATAAAGCCAGGGGCTTCTGCTGAATAATATCTTCCGTGTGAACAACCTAGTGTG 540
481 ATAAAGCCAGGGGCTTCTGCTGAATAATATCTTCCGTGTGAACAACCTAGTGTG 540
541 AAACCTAATGCTGTTGGGAACAGCAAGGCTGCAAGGCTTAAAGCTGATGCT 600
541 AAACCTAATGCTGTTGGGAACAGCAAGGCTGCAAGGCTTAAAGCTGATGCT 600
601 GTGAGGAATGAGAAATCCTTTCTGATCTGATCTGATCTGATCTGATCTGATCTG 660
601 GTGAGGAATGAGAAATCCTTTCTGATCTGATCTGATCTGATCTGATCTGATCTG 660
661 ACCTAATGAGATGCTTCTGTTTAAATGAACCTTTTAAACGAGTGAAGTACC 720
661 ACCTAATGAGATGCTTCTGTTTAAATGAACCTTTTAAACGAGTGAAGTACC 720
721 AAAAAAATCTACAGAAAGTAAATCAATGCTGTAAGAAATCTTAACTTAATCAAGC 780
721 AAAAAAATCTACAGAAAGTAAATCAATGCTGTAAGAAATCTTAACTTAATCAAGC 780
781 AGTACCCGAGGATTAATAAAGATCTTCTGATCAAGAAAGGACGTGCTTACTCA 840
781 AGTACCCGAGGATTAATAAAGATCTTCTGATCAAGAAAGGACGTGCTTACTCA 840
841 GGGGAAATATACAGAAAGCTTGTACCTCCAGGTCATGATATTTAGCCAGTTTCTAC 900
841 GGGGAAATATACAGAAAGCTTGTACCTCCAGGTCATGATATTTAGCCAGTTTCTAC 900
901 AACTCTGATGCTTGTATACCTTTTATAGGAAGAGCAAGATATTTTGTGTCTAAC 960
901 AACTCTGATGCTTGTATACCTTTTATAGGAAGAGCAAGATATTTTGTGTCTAAC 960
961 ATAGATTAATCTGGGTGACAGTGTATCTGATTAATCTTAACTTAATGAACCCACC 1020
961 ATAGATTAATCTGGGTGACAGTGTATCTGATTAATCTTAACTTAATGAACCCACC 1020
1021 AATGGAACACGCTGTGAATTTGTATGAGAAAGTCAAAATTAACAGTGTGAAG 1080
1021 AATGGAACACGCTGTGAATTTGTATGAGAAAGTCAAAATTAACAGTGTGAAG 1080
1081 GGGGGACACTCACTCAATATGAGCAAACTGAGCTGTGTGAATTTGCTCAAGTGCCA 1140
1081 GGGGGACACTCACTCAATATGAGCAAACTGAGCTGTGTGAATTTGCTCAAGTGCCA 1140
1141 AAGGACATGTAGAGAGTTCAGTCTGATCAAAAGTTTAAATTTTAAATCAAAACAC 1200
1141 AAGGACATGTAGAGAGTTCAGTCTGATCAAAAGTTTAAATTTTAAATCAAAACAC 1200
1201 CTATGATTTTCTTCTGACAGCTTAAAGACTGACAGCAAAATGCTTGAATGAGAA 1260
1201 CTATGATTTTCTTCTGACAGCTTAAAGACTGACAGCAAAATGCTTGAATGAGAA 1260
1261 ATCATTTGTAATGCAAAAGCTTTGATGAGGCTGATATGCTATTCATTTAGAACTGCA 1320

1261 ATCATTTGTAATGCAAAAGCTTTGATGAGGCTGATATGCTATTCATTTAGAACTGCA 1320
1321 GTAGGGGCTGCCATCAAAAGTTTGAAGATTTCTAGATTTAATGTCGAAGAGCCGT 1380
1321 GTAGGGGCTGCCATCAAAAGTTTGAAGATTTCTAGATTTAATGTCGAAGAGCCGT 1380
1381 TTTCTGCTGTCAAAACCAATCAGATCTCTGCTGAGATGCAACCTGATATGCTT 1440
1381 TTTCTGCTGTCAAAACCAATCAGATCTCTGCTGAGATGCAACCTGATATGCTT 1440
1441 AATGAGGATCTGACAAATGAGTGAAGAGGGAATTTCTACAGTCCCTTGTGTTAA 1500
1441 AATGAGGATCTGACAAATGAGTGAAGAGGGAATTTCTACAGTCCCTTGTGTTAA 1500
1501 TTAGGCACTTTTATGAGAGGTTCAAGATTTCTAGAGATTTTGAAGATTAACAGAT 1560
1501 TTAGGCACTTTTATGAGAGGTTCAAGATTTCTAGAGATTTTGAAGATTAACAGAT 1560
1561 ATGCTGAAATGGAATCAGCTGACAGTTTCAAGAGATGGAATTTGAAAAATGTTCA 1620
1561 ATGCTGAAATGGAATCAGCTGACAGTTTCAAGAGATGGAATTTGAAAAATGTTCA 1620
1621 TTTAAAGGAACGTTTATCATGATTCAGAAATCATGATGACAGATTTGATATCCACTG 1680
1621 TTTAAAGGAACGTTTATCATGATTCAGAAATCATGATGACAGATTTGATATCCACTG 1680
1681 GCAGATTTAGAGAACAGATTTGCTGAGAAACCTTCCGATCTTGGACCACTGAATGA 1740
1681 GCAGATTTAGAGAACAGATTTGCTGAGAAACCTTCCGATCTTGGACCACTGAATGA 1740
1741 AATATCTGAGACCTTAAATGAGGCTTCTTCAATGAAATGCTCTAGATTT 1800
1741 AATATCTGAGACCTTAAATGAGGCTTCTTCAATGAAATGCTCTAGATTT 1800
1801 CTAATAATGAGGATCTTATCTATGATCTGATCTGATCTGATCTGATCTGATCTG 1860
1801 CTAATAATGAGGATCTTATCTATGATCTGATCTGATCTGATCTGATCTGATCTG 1860
1861 AGTTTCTGAGATGCTTATGCTTAAAGAAAGCAGATGAGCAATTAATCTTCTCT 1920
1861 AGTTTCTGAGATGCTTATGCTTAAAGAAAGCAGATGAGCAATTAATCTTCTCT 1920
1921 TTGAAGAAATCCCAAAAGTATGATCTTAAAGTGAATTTGTTTAACTTAAACT 1980
1921 TTGAAGAAATCCCAAAAGTATGATCTTAAAGTGAATTTGTTTAACTTAAACT 1980
1981 GGGGCACTTTGGAAGAACTTTTAAAGAAAGCTCAATGATGATCACTTGAATGCTTGT 2040
1981 GGGGCACTTTGGAAGAACTTTTAAAGAAAGCTCAATGATGATCACTTGAATGCTTGT 2040
2041 GATTTCAAAATTAAGCAGTGAAGCAATCTTGTGTAACATGATCTTAAATGCTAAC 2100
2041 GATTTCAAAATTAAGCAGTGAAGCAATCTTGTGTAACATGATCTTAAATGCTAAC 2100
2101 TTTAACTGTTTATGTTGTTTGAACATCTATATTAATGTTGAAG 2147
2101 TTTAACTGTTTATGTTGTTTGAACATCTATATTAATGTTGAAG 2147

RESULT 2
US-09-981-353-76
; Sequence 76, Application US/09981353
; Patent No. US20020160382A1
; GENERAL INFORMATION:
; APPLICANT: Lasek, Amy W.
; APPLICANT: Jones, David A.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0038 US
; CURRENT APPLICATION NUMBER: US/09/981,353
; CURRENT FILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 194
; SOFTWARE: PERL Program

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; SEQ ID NO 76
; LENGTH: 2222
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No. US20020160382A1 237563.31
; NAME/KEY: unsure
; LOCATION: 2208
; OTHER INFORMATION: a, t, c, g, or other
US-09-981-353-76

```

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Query Match      100.0%; Score 2147; DB 10; Length 2222;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2147; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy 1 GTGTTAGAGAAATAGGGGCTGTGGGTGTGGAGCCGGTGAACGGGTGACAGAGGG 60
Db 46 GTGTTAGAGAAATAGGGGCTGTGGGTGTGGAGCCGGTGAACGGGTGACAGAGGG 105
Qy 61 GGGTTAGAGAGCTGGGCTGGGACCGTTAGAGAGGGCTCAAGGTGCAATGTGAGGAA 120
Db 106 GGGTTAGAGAGCTGGGCTGGGACCGTTAGAGAGGGCTCAAGGTGCAATGTGAGGAA 165
Qy 121 GAGAGAGAGAGAGAGGGCGCTCAGAGGTGAATTTCAGCCCTGCGAGCCCTTCCCGAG 180
Db 166 GAGAGAGAGAGAGAGGGCGCTCAGAGGTGAATTTCAGCCCTGCGAGCCCTTCCCGAG 225
Qy 181 GGGCATTAAGCGCCCGCAATTTCCAGCTGCTTAAAGAGAGAGAGATCTTAGCAAGCA 240
Db 226 GGGCATTAAGCGCCCGCAATTTCCAGCTGCTTAAAGAGAGAGAGATCTTAGCAAGCA 285
Qy 241 ATGTCTCAAGATGTGCTTCAAGTTCAGAGAGATTCGGCAGAGCTAGATATCT 300
Db 286 ATGTCTCAAGATGTGCTTCAAGTTCAGAGAGATTCGGCAGAGCTAGATATCT 345
Qy 301 GTGAGAGAGAACTAGAAAAATATCTCAACAAGCATCATCATGAATTTGAGCAGACC 360
Db 346 GTGAGAGAGAACTAGAAAAATATCTCAACAAGCATCATCATGAATTTGAGCAGACC 405
Qy 361 AAAAAAGCTGTGATGATTTTGGAGGCTATTTCTATGATTTTTCAGAAAAAGGGGCTT 420
Db 406 AAAAAAGCTGTGATGATTTTGGAGGCTATTTCTATGATTTTTCAGAAAAAGGGGCTT 465
Qy 421 TCTGTGATTTGGGAAAAATCCAGAGACCCCTGAGAGTTGATCAACCCATGAAAG 480
Db 466 TCTGTGATTTGGGAAAAATCCAGAGACCCCTGAGAGTTGATCAACCCATGAAAG 525
Qy 481 ATTAAGGCTAGGGGCTTGCCTGATATATATCTTCCGTGAGCAAACTAGTGTGTG 540
Db 526 ATTAAGGCTAGGGGCTTGCCTGATATATATCTTCCGTGAGCAAACTAGTGTGTG 585
Qy 541 AAATCAATGTGTGTTGGGAAACGAGATGGGCTGCAAAAGCCCTTAAAGTCTGATGT 600
Db 586 AAATCAATGTGTGTTGGGAAACGAGATGGGCTGCAAAAGCCCTTAAAGTCTGATGT 645
Qy 601 GTGAGAGATGAGAAATCTTTCTGTGATCTGATCTGTCAGCAAAATTTGAATGAA 660
Db 646 GTGAGAGATGAGAAATCTTTCTGTGATCTGATCTGTCAGCAAAATTTGAATGAA 705
Qy 661 ACCTACATTAAGATGTTCTCTTGTTTTAAAGACTCTTTTAAACAGGATGAATACC 720
Db 706 ACCTACATTAAGATGTTCTCTTGTTTTAAAGACTCTTTTAAACAGGATGAATACC 765
Qy 721 AAAAAATACTACAGAGATCAATCATTTGTGTGAAATCTTACATTTCAATCAAGC 780
Db 766 AAAAAATACTACAGAGATCAATCATTTGTGTGAAATCTTACATTTCAATCAAGC 825
Qy 781 AGGTACCCGAGAGATTAATTAAGAACTTTTACTCTGTAAGAAAGAGAGTGTCTTACCA 840
Db 826 AGGTACCCGAGAGATTAATTAAGAACTTTTACTCTGTAAGAAAGAGAGTGTCTTACCA 885
Qy 841 GGGGAAATATACGAAGCTTGTGATCCCTCAGGTCAATGTGATATTTACGCCAGTTTCTAC 900

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Db 886 GGGGAAATATACGAAGCTTGTGATCCCTCAGGTCAATGTGATATTTACGCCAGTTTCTAC 945
Qy 901 AACTGTGATGCTGTGATATCACTTATATAGAGAGAGAGAGATATTTTGTGTCTAAC 960
Db 946 AACTGTGATGCTGTGATATCACTTATATAGAGAGAGAGAGATATTTTGTGTCTAAC 1005
Qy 961 ATAGATATCTGGGTGACACAGTGAATCTGATATTTCTTAATCATTAATGAACCCACC 1020
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Db 1186 AAGCAGATGAGACGAGTTCAAGTCTGATCAAAAGTTCAAAATATTTAATACAAACAC 1245
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Db 1366 GTAGGGGCTGCTCAAAAGTTTGAAGATTTCTAGGATTAATGTGCCAAGAGCCGT 1425
Qy 1381 TTTGCTGCTGTCAAAACCAATCAGATCTCTTGTGTGATGTCAAACTCTATATGCTT 1440
Db 1426 TTTGCTGCTGTCAAAACCAATCAGATCTCTTGTGTGATGTCAAACTCTATATGCTT 1485
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Db 1486 AATGAGATATCTGACAAATGAGAGAAAGGGGAAATTTCTTAAGAGCCCTTGTGTTAA 1545
Qy 1501 TTAGGAGATCTTTTGAAGAGTTCAAGATTAATCTAAGAAATTTGAAGATTAATCCAGAT 1560
Db 1546 TTAGGAGATCTTTTGAAGAGTTCAAGATTAATCTAAGAAATTTGAAGATTAATCCAGAT 1605
Qy 1561 ATGCTTAATTTGATCACTTCAAGTTTCAAGATGTGACATTTGAAAAAATGTTTCA 1620
Db 1606 ATGCTTAATTTGATCACTTCAAGTTTCAAGATGTGACATTTGAAAAAATGTTTCA 1665
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Db 1666 TTAAGGAGAGGTTATCATATTTGCAAAATATATATGTGACAGAAATTTGCCACTGGA 1725
Qy 1681 GCAGATTTAAGAGCAAGATTTGTCTGAGAAACCTTGCACTTGAGCACTGAAGTAA 1740
Db 1726 GCAGATTTAAGAGCAAGATTTGTCTGAGAAACCTTGCACTTGAGCACTGAAGTAA 1785
Qy 1741 AAATACTGTGACACTTAATATATATGAGCTATTTCTTAATGAATGTTTCTAGAGATT 1800
Db 1786 AAATACTGTGACACTTAATATATATGAGCTATTTCTTAATGAATGTTTCTAGAGATT 1845
Qy 1801 CTAAATATAGGAGATCTTATCTATGTGTAATCTGACCTGACAGTGTGATTTTAAATAG 1860
Db 1846 CTAAATATAGGAGATCTTATCTATGTGTAATCTGACCTGACAGTGTGATTTTAAATAG 1905
Qy 1861 AGTTTCTGAGATAGCTTTTATAGCTAAGAAAGACAGATGAGACATATCTTCTCTTCT 1920
Db 1906 AGTTTCTGAGATAGCTTTTATAGCTAAGAAAGACAGATGAGACATATCTTCTCTTCT 1965
Qy 1921 TTGAAGAGATCCCAAAAGTTAGTTCAATTTAAAGTCAATATTTGTTAATCTTAAACT 1980

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QY 1442 ATGAGATCTCTGACAAATGAGTGAAGGCGGAAATTTCTACAGTGCCTTGGTTAAAT 1501
 DB 1508 ATGAGAGATCTCTGACAAATGAGTGAAGGCGGAAATTTCTACAGTGCCTTGGTTAAAT 1567
 QY 1502 TAGGAGATCTTTTACGAAAGGTTCAAGATTTATCTAAGAAATTTGAAGTATACAGATA 1561
 DB 1568 TAGGAGATCTTTTACGAAAGGTTCAAGATTTATCTAAGAAATTTGAAGTATACAGATA 1627
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 DB 1748 CAGTATTGAGAACAAAGTTGTCTGGAACCTTGGCATCTTGGACCACTGAAATGAAA 1807
 QY 1742 AATCTGTGACACTTAATAATGAGGCTAGTTCTTCAATGAATGTTCTCTAGGATTC 1801
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 QY 1802 TAAATAGGCAAGTATCTTACTATGTACTGTACCTGAGTGTGATTTTAAATAGA 1861
 DB 1868 TAAATAGGCAAGTATCTTACTATGTACTGTACCTGAGTGTGATTTTAAATAGA 1927
 QY 1862 GTTTTCTGAGTATGCTTTTATGCTTAAAGAAACAGATGAGAGCATATCTTCTCTT 1921
 DB 1928 GTTTTCTGAGTATGCTTTTATGCTTAAAGAAACAGATGAGAGCATATCTTCTCTT 1987
 QY 1922 TGAAGAGATCCCAAAAGTATGCTTAAAGGCAATATGTTTAACTTAAACTG 1981
 DB 1988 TGAAGAGATCCCAAAAGTATGCTTAAAGGCAATATGTTTAACTTAAACTG 2047
 QY 1982 GGCACCTTTGAGAGACTTTTAAAGAGAGCTCAATGATGATCACTTGAATGCTTGTG 2041
 DB 2048 GGCACCTTTGAGAGACTTTTAAAGAGAGCTCAATGATGATCACTTGAATGCTTGTG 2107
 QY 2042 ATTTCAAAAAT 2052
 DB 2108 ATTTCAAAAAT 2118
 RESULT 4
 US-10-158-646-10
 : Sequence 10, Application US/10158646
 : Publication No. US20030073105A1
 : GENERAL INFORMATION:
 : APPLICANT: Laeak, Amy K.W.
 : APPLICANT: Sorhase, Thierly
 : TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
 : FILE REFERENCE: PA-0030-1 US
 : CURRENT APPLICATION NUMBER: US/10/158,646
 : PRIOR FILING DATE: 2002-05-29
 : PRIOR APPLICATION NUMBER: 60/295,239
 : NUMBER OF SEQ ID NOS: 78
 : SOFTWARE: PERL Program
 : SEQ ID NO 10
 : LENGTH: 2277
 : TYPE: DNA
 : ORGANISM: Homo sapiens
 : FEATURE:
 : NAME/KEY: misc feature
 : OTHER INFORMATION: Incyte ID No. US20030073105A1 237563.4
 : FEATURE:
 : NAME/KEY: unsure
 : LOCATION: 2263
 : OTHER INFORMATION: a, t, c, g, or other
 US-10-158-646-10

Query Match 89.6%; Score 1924; DB 15; Length 2277;
 Best Local Similarity 100.0%; Pred. No. 0;
 Matches 1924; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 224 AAGATCTTACAAAGCAATGCTCAAGATGTGCTTCTCACTTCCAGAAAGTCTTGGC 283
 DB 324 AAGATCTTACAAAGCAATGCTCAAGATGTGCTTCTCACTTCCAGAAAGTCTTGGC 383
 QY 284 AAGAGCTAGATTATCTGTGAGAGAGAACTAGAAAAATATCTCAGCAGCATCATCAC 343
 DB 384 AAGAGCTAGATTATCTGTGAGAGAGAACTAGAAAAATATCTCAGCAGCATCATCAC 443
 QY 344 ATGAATTTGAGCACACCAAAAAAAGACTGATGATTTCCGAACTATTTTATAGATTTT 403
 DB 444 ATGAATTTGAGCACACCAAAAAAAGACTGATGATTTCCGAACTATTTTATAGATTTT 503
 QY 404 TGCAAGAAAAGGGGCTTCTGTGTGATTTGGGAAAAATTCAGAGACCCCTGAGATTGCA 463
 DB 504 TGCAAGAAAAGGGGCTTCTGTGTGATTTGGGAAAAATTCAGAGACCCCTGAGATTGCA 563
 QY 464 TTCAACCTTATGAAAAGATTAAGGCGCAGGGGCTTGCCTGATATATATCTTCGGTGTGA 523
 DB 564 TTCAACCTTATGAAAAGATTAAGGCGCAGGGGCTTGCCTGATATATATCTTCGGTGTGA 623
 QY 524 ACAACCTAGTGTGTGAAAACCTCAATGTTGTTGGAAACAGCATGGGCTGCAAGGCC 583
 DB 624 ACAACCTAGTGTGTGAAAACCTCAATGTTGTTGGAAACAGCATGGGCTGCAAGGCC 683
 QY 584 CTAAAGATCTGATTTGTGTGAGAGATGAGAAATCTTTCTGATCTGACTGTTTACGAAA 643
 DB 684 CTAAAGATCTGATTTGTGTGAGAGATGAGAAATCTTTCTGATCTGACTGTTTACGAAA 743
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 DB 744 TTGAACCTTGAATTAACCTTACAAATGATGCTCTTGTGTTTATGAACCTTTTA 803
 QY 704 ACAAGATGAGATACCAAAAAAATCTACAGAAATGATCAATGATGCTGTGTAATCT 763
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 QY 764 ACACTTCAATCAAAAGAGTACCCGAGATTAATAAGATCTTATCTCTGTACAA 823
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 QY 824 AGGACGTCTTACTCAGGGGAAAAATCAGAACTGTGTACCTTCCAGGTTCATGTGTATA 883
 DB 924 AGGACGTCTTACTCAGGGGAAAAATCAGAACTGTGTACCTTCCAGGTTCATGTGTATA 983
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 DB 1284 TATTTAATCAAAACAACTATGATTTCTTGTGACAGATTTAAAGACTGACAGAGCAA 1343

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 1904 AGCAATCTTCTTCTTCTTGAAGAGATCCCAAAAGTTAGTTCACTTAAAGTGCATAT 1963
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 1964 TGTTAATCTTAAATCTGGGCAACTTTGGAAGAACTTTTAAAGAAAGCTCAATGAT 2023
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 2024 CACTTGAATGCTTGTGATTTCAAAATTAAGAGCAATTAAGTGTGATCACTG 2083
 2124 CACTTGAATGCTTGTGATTTCAAAATTAAGAGCAATTAAGTGTGATCACTG 2183
 2084 TACTTAAATGCTAATTAATCTGTTTATGTTTATGTTTGAACAGTTAATTAATGATG 2143
 2184 TACTTAAATGCTAATTAATCTGTTTATGTTTATGTTTGAACAGTTAATTAATGATG 2243
 2144 GAAG 2147
 2244 GAAG 2247

RESULT 5
 US-09-880-107-3338
 ; Sequence 3338, Application US/09880107
 ; Patent No. US20020142981A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Horne, Darci T.
 ; APPLICANT: Vockley, Joseph G.
 ; APPLICANT: Scherf, Uwe

APPLICANT: Gene Logic, Inc.
 TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer
 FILE REFERENCE: 44921-5028-WO
 CURRENT FILING DATE: 2001-06-14
 PRIOR FILING DATE: 2000-06-14
 PRIOR FILING DATE: 2000-06-14
 PRIOR FILING DATE: 2000-10-02
 NUMBER OF SEQ ID NOS: 3950
 SOFTWARE: PatentIn Ver. 2.1
 LENGTH: 1823
 TYPE: DNA
 ORGANISM: Homo sapiens
 OTHER INFORMATION: Genbank Accession No. US20020142981A1 U27460
 US-09-880-107-3338

Query Match 78.1%; Score 1676.6; DB 10; Length 1823;
 Best Local Similarity 98.5%; Pred. No. 0; Mismatches 24; Indels 2; Gaps 1;
 Matches 1703; Conservative 0; Mismatches 24; Indels 2; Gaps 1;

225 AGATCTTAGCAAAAGCAATGCTCAAGATGCTTCTCAGTTCCAGAAAGTCAATTCGCA 284
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 153 AGACTGAAATTAATCTGTAAGAAAGAACTGAAATTAATCTGTAAGAAAGTCAATTCGCA 212
 345 TGAATTTGAGCAACCAAAAGCAATGCTGAAATGCTTCTGAAATGCTTCTGAAATGCTTCT 404
 213 TGAATTTGAGCAACCAAAAGCAATGCTGAAATGCTTCTGAAATGCTTCTGAAATGCTTCT 272
 405 GCAAGAAAGGAGGCTTCTGATGAGGAAATGCAAGAGAGAGAGAGAGAGAGAGAGAGAGAG 464
 273 GCAAGAAAGGAGGCTTCTGATGAGGAAATGCAAGAGAGAGAGAGAGAGAGAGAGAGAGAG 332
 465 TCAACCTTGAATTAAGTAAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 524
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 525 CAACCTAGTGTGTAAGTCAATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 584
 393 CAACCTAGTGTGTAAGTCAATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 452
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 Oy 1065 ACGTCAGATGTAAGGGGGGACCTGACCTCAATATGAAGCAACTGAGCTGTGA 1124
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 Oy 1125 AATGCTCAAGTCCAAAGCACTATGACGATTCAGTCTGTATCAAGTTCAAAAT 1184
 Db 993 AATGCTCAAGTCCAAAGCACTATGACGATTCAGTCTGTATCAAGTTCAAAAT 1052
 Oy 1185 AATTAATCAAAACCACTATGATTTCTTGTGACAGTTAAAGACGAGCAACAAA 1244
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 Db 1173 TCAATTAAGAACTGACATGAGGGGCTGCCATCAAAAGTTTGAGAAATCTTATTA 1232
 Oy 1365 TGTCGCAAGAGGCGCTTTTGTGCTGCAAAACCAATCATGATCTCTTGTGTATGTC 1424
 Db 1233 TGTCGCAAGAGGCGCTTTTGTGCTGCAAAACCAATCATGATCTCTTGTGTATGTC 1292
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 Db 1533 TGATATCCCACTGAGACGATTTAGAGAAACAGATTTGTCTGAAAACCTTCGATCTT 1592
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 Db 1593 GGAACCACTGAATGAAAATATCTGTGACACTTAAATTAAGGCTAGTTTCTTACATGA 1652
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 Db 1713 TTGATTTTAAATATAGATTTCTGACATGCTTTTATGTTCTAAGAAAAGCAGATGGA 1772
 Oy 1905 GCAATATCTTCTTCTTGAAGAGATCCCAAAAGTTAGTTCACTTAA 1953
 Db 1773 GCAATATCTTCTTCTTGAAGAGATCCCAAAAGTTAGTTCACTTAA 1819

RESULT 6
 US-09-873-367C-785
 ; Sequence 785, Application US/09873367C
 ; Publication No. US20030165839A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Young, Paul

; APPLICANT: Soppel, Daniel
 ; APPLICANT: Endress, Gregory
 ; APPLICANT: Augustus, Meena
 ; APPLICANT: Ebner, Reinhard
 ; APPLICANT: Carter, Kenneth
 ; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using
 ; FILE REFERENCE: 689290-64
 ; CURRENT APPLICATION NUMBER: US/09/873.367C
 ; CURRENT FILING DATE: 2003-04-29
 ; PRIOR APPLICATION NUMBER: U.S. 60/236,891
 ; PRIOR FILING DATE: 2000-09-29
 ; PRIOR APPLICATION NUMBER: U.S. 60/236,842
 ; PRIOR FILING DATE: 2000-09-29
 ; PRIOR APPLICATION NUMBER: U.S. 60/244,867
 ; PRIOR FILING DATE: 2000-11-01
 ; PRIOR APPLICATION NUMBER: U.S. 60/245,084
 ; NUMBER OF SEQ ID NOS: 1067
 ; SOFTWARE: PatentIn version 3.0
 ; SEQ ID NO 785
 ; LENGTH: 1823
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-09-873-367C-785

Query Match 78.1%; Score 1676.6; DB 13; Length 1823;
 Best Local Similarity 98.5%; Pred. No. 0;
 Matches 1703; Conservative 0; Mismatches 24; Indels 2; Gaps 1;

Oy 225 AGATCTTAGCAAAACCAATGTTCTCAAGATGTTCTTCTCAGTTCCAGAGATCATTCGCA 284
 Db 93 AGATCTTAGCAAAACCAATGTTCTCAAGATGTTCTTCTCAGTTCCAGAGATCATTCGCA 152
 Oy 285 AGACTAGAAATTTATCTGTGAAGAGAACTAGAAAATATCTCAACACGATCATCA 344
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 Db 213 TGAATTTGAGACACCAAAAAGACCTGAGATGTTTCGGAAGATTTCTATGATTTT 272
 Oy 405 GCAAGAAAAGGGGCTTCTGTGATTTGGGAAAATCCAGAGACCCCTGAAGATTCGAT 464
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 Db 333 TCAACCCATATGAAAAGATTAAGGCAAGGCTTCTGTATATATATCTTCCGTGGA 392
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 1245 TGCCATTTGACATGAAATCATATGTAAGCAAGACCTTTGATGAGGCTGTAATGAT 1304
 1113 TGCCATTTGACATGAAATCATATGTAAGCAAGACCTTTGATGAGGCTGTAATGAT 1172
 1305 TCAATTTAGAACTGAGATGAGGGCTGCCATCAAAAGTTTGAATTTCTATGATTTAA 1364
 1173 TCAATTTAGAACTGAGATGAGGGCTGCCATCAAAAGTTTGAATTTCTATGATTTAA 1232
 1365 TGTGCAAGAGAGCGGTTTCTGCTGTCAAAACCAATCAAGTCTTGTCTGTATGTC 1424
 1233 TGTGCAAGAGAGCGGTTTCTGCTGTCAAAACCAATCAAGTCTTGTCTGTATGTC 1292
 1425 AAACCTCTATGATCTTAAATGAGAGATCTCTGCAATGATGTAAGGCGGAAATTTCCATC 1484
 1293 AAACCTCTATGATCTTAAATGAGAGATCTCTGCAATGATGTAAGGCGGAAATTTCCATC 1352
 1485 AGTGCCTTGTGTAATAGGAGATCTTCTTACGAAGTTCAAGATTTCTAAGAAGAT 1544
 1353 AGTGCCTTGTGTAATAGGAGATCTTCTTACGAAGTTCAAGATTTCTAAGAAGAT 1412
 1545 TGAAGATATACAGATATGCTTGAATGTGATCACTCAAGTTTCAAGAGATGATCAAT 1604
 1413 TGAAGATATACAGATATGCTTGAATGTGATCACTCAAGTTTCAAGAGATGATCAAT 1472
 1605 TGGAAAAAATGTTTCAATTAAGGAAACGTTATCATCTTGAATTCATGTCAGAGAT 1664
 1473 TGGAAAAAATGTTTCAATTAAGGAAACGTTATCATCTTGAATTCATGTCAGAGAT 1532
 1665 TGAATATCCACCTGAGAGATATTAAGAAACAAGATGTCGTGAAAACCTTCGATCTT 1724
 1533 TGAATATCCACCTGAGAGATATTAAGAAACAAGATGTCGTGAAAACCTTCGATCTT 1592
 1725 GGAACCACTGAAATGAAAAATACCTGTGACACTTAAATTAAGGCTAGTTTCTTAAATCA 1784
 1593 GGAACCACTGAAATGAAAAATACCTGTGACACTTAAATTAAGGCTAGTTTCTTAAATCA 1652
 1785 AATGTTCTCTAGAGATCTTAAATAGGAGATCTTCTATGTAATGTAAGCTGAGTG 1844
 1653 AATGTTCTCTAGAGATCTTAAATAGGAGATCTTCTATGTAATGTAAGCTGAGTG 1712
 1845 TTGATTTTAAATAGAGTTTCTGAGATAGCTTTTATGTCATAGAAAAAGCAGATGTA 1904
 1713 TTGATTTTAAATAGAGTTTCTGAGATAGCTTTTATGTCATAGAAAAAGCAGATGTA 1772
 1905 GCAATATCTTCTCTTGTGAGAGATCCCAAAAGTATGATCTTAA 1953
 1773 GCAATATCTTCTCTTGTGAGAGATCCCAAAAGTATGATCTTAA 1819

RESULT 7
 US-10-102-524-1334
 ; Sequence 1334, Application US/10102524
 ; Publication No. US20030109434A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Algate, Paul A.
 ; APPLICANT: Mannion, Jane
 ; APPLICANT: Gaiger, Alexander
 ; APPLICANT: Gordon, Brian
 ; APPLICANT: Harlocker, Susan L.
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
 ; TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF KIDNEY CANCER
 ; FILE REFERENCE: 210121.572
 ; CURRENT APPLICATION NUMBER: US/10/102.524
 ; CURRENT FILING DATE: 2002-03-19
 ; NUMBER OF SEQ ID NOS: 1863
 ; SOFTWARE: FASTSEQ for Windows Version 4.0
 ; SEQ ID NO 1334
 ; LENGTH: 566
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-10-102-524-1334
 Query Match 26.0%; Score 558.8; DB 15; Length 566;
 Best Local Similarity 99.6%; Pred. No. 1.9e-140;
 Matches 560; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 1293 CCTGATGTCATTCATTAATGAACTGAGAGGAGGCTGCCATCAAAAGTTTGAATTC 1352
 1 CCTGATGTCATTCATTAATGAACTGAGAGGAGGCTGCCATCAAAAGTTTGAATTC 60
 1353 TCTAGATTAATATGTCGCAAGAGAGGCTTTCTGCTGTCAAAAGCAGATGATCTT 1412
 61 TCTAGATTAATATGTCGCAAGAGAGGCTTTCTGCTGTCAAAAGCAGATGATCTT 120
 1413 GCTGATGTCGCAAGAGGCTTTCTGCTGTCAAAAGCAGATGATCTT 1472
 121 GCTGATGTCGCAAGAGGCTTTCTGCTGTCAAAAGCAGATGATCTT 180
 1473 GGAATTTCTCAAGTCCCTTGTGTAATTAAGGAGATCTTTTGAAGGTTCAAGATTA 1532
 181 GGAATTTCTCAAGTCCCTTGTGTAATTAAGGAGATCTTTTGAAGGTTCAAGATTA 240
 1533 TCTAAGAAATTTGAAATATACAGATATGCTTGAATGATCACTCAAGTTTCAAG 1592
 241 TCTAAGAAATTTGAAATATACAGATATGCTTGAATGATCACTCAAGTTTCAAG 300
 1593 AGATGTCATTTGGAATAAATGTTTCAATTAAGGAAACGTTATCATCTTGAATCA 1652
 301 AGATGTCATTTGGAATAAATGTTTCAATTAAGGAAACGTTATCATCTTGAATCA 360
 1653 TGTGACAGAAATGATATCCACCTGAGAGATTAAGAAACAAGATGTCGTGAAA 1712
 361 TGTGACAGAAATGATATCCACCTGAGAGATTAAGAAACAAGATGTCGTGAAA 420
 1713 CTTTGCATCTTGAACCACTGAAATGAAATATCTGTGACACTTAAATTAAGGCTAGT 1772
 421 CTTTGCATCTTGAACCACTGAAATGAAATATCTGTGACACTTAAATTAAGGCTAGT 480
 1773 TTCTTCAATGAATATGTTCTCTAGAGATCTTAAATAGGAGATCTTACTATGTTACTG 1832
 481 TTCTTCAATGAATATGTTCTCTAGAGATCTTAAATAGGAGATCTTACTATGTTACTG 540
 1833 TACCTGACGATGTTGATTTTA 1854
 541 TACCTGACGATGTTGATTTTA 562
 RESULT 8
 US-09-918-995-14100
 ; Sequence 14100, Application US/09918995
 ; Publication No. US20030073623A1


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; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; FILE REFERENCE: 20411-756
; CURRENT APPLICATION NUMBER: US/09/918,995
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/235,076
; PRIOR FILING DATE: 1999-01-20
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 14100
; LENGTH: 437
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(437)
; OTHER INFORMATION: n = A,T,C or G
US-09-918-995-14100

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Query Match      20.2%; Score 432.8; DB 11; Length 437;
Best Local Similarity 99.5%; Pred. No. 2e-106;
Matches 434; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

```

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QY 1606 GGAAGAAATGTTCTTAAAGGGAACGGTTATCATCATTTGCAAAATCATGTGACAGAAAT 1665
DB 1 GGAAGAAATGTTCTTAAAGGGAACGGTTATCATCATTTGCAAAATCATGTGACAGAAAT 60
QY 1666 GATATCCACCTCGAGCAGATATTAGAGAACAGATTTGTCTGGAACCTTCGCATCTTG 1725
DB 61 GATATCCACCTCGAGCAGATATTAGAGAACAGATTTGTGTCTGGAACCTTCGCATCTTG 120
QY 1726 GACCACTGAAATGAAAAATACTCTGTGACACTTAAATTAATGGCTTCTTACATGAA 1785
DB 121 GACCACTGAAATGAAAAATACTCTGTGACACTTAAATTAATGGCTTCTTACATGAA 180
QY 1786 ATGTCCTAGAGATCTTAAATAGGAGGACTTACTATGTTACTGTAACCTCGAGTGT 1845
DB 181 ATGTCCTAGAGATCTTAAATAGGAGGACTTACTATGTTACTGTAACCTCGAGTGT 240
QY 1846 TGATTTTAAATAGATTTCTGCAATGATGCTTTAGCTTAAAGAAAGCAAGATGAG 1905
DB 241 TGATTTTAAATAGATTTCTGCAATGATGCTTTAGCTTAAAGAAAGCAAGATGAG 300
QY 1906 CAATCTTCTCTCTTGAAGAAATCCCAAAAGTTAGTCACTTAAAGTCAATTTG 1965
DB 301 CAATCTTCTCTCTTGAAGAAATCCCAAAAGTTAGTCACTTAAAGTCAATTTG 360
QY 1966 TTTATCTTAAACGGGCACTTTGGAAGACTTTTAAACAGAGCTCAATGATGATCA 2025
DB 361 GTTAATCTTAAACGGGCACTTTGGAAGACTTTTAAACAGAGCTCAATGATGATCA 420
QY 2026 CTTGAATTTGCTGTG 2041
DB 421 CTTGAATTTGCTGTG 436

```

```

RESULT 9
US-09-918-995-3419
; Sequence 3419; Application US/09918995
; Publication No. US20030073623A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; FILE REFERENCE: 20411-756
; CURRENT APPLICATION NUMBER: US/09/918,995
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/235,076
; PRIOR FILING DATE: 1999-01-20
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FastSeq for Windows Version 3.0

```

```

; SEQ ID NO 3419
; LENGTH: 430
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(430)
; OTHER INFORMATION: n = A,T,C or G
US-09-918-995-3419

```

```

Query Match      20.0%; Score 429; DB 11; Length 430;
Best Local Similarity 100.0%; Pred. No. 2.1e-105;
Matches 429; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1457 CAATGAGTGAAGAAACGGGAATTTCTCAGAGCCCTTGTTAAATTAAGGAGTCTTTA 1516
DB 1 CAATGAGTGAAGAAACGGGAATTTCTCAGAGCCCTTGTTAAATTAAGGAGTCTTTA 60
QY 1517 CGAAGTTCAAGATTATCTAAGAAATTTGAAGATATACAGATATGCTTGAATGTATC 1576
DB 61 CGAAGTTCAAGATTATCTAAGAAATTTGAAGATATACAGATATGCTTGAATGTATC 120
QY 1577 ACTTCACAGTTTCAGAGATGTGACATTTGGAAGAAATGTTCTTAAAGGAAACGTTA 1636
DB 121 ACTTCACAGTTTCAGAGATGTGACATTTGGAAGAAATGTTCTTAAAGGAAACGTTA 180
QY 1637 TCATCATTTGCAATCATGTGTGACAGAAATGATATCCACCTGAGCAGTATTAGAGACA 1696
DB 181 TCATCATTTGCAATCATGTGTGACAGAAATGATATCCACCTGAGCAGTATTAGAGACA 240
QY 1697 AGATTGTCTGGAACCTTCGCATCTTGACACCTGAAATGAAAAATACTGTGACACT 1756
DB 241 AGATTGTCTGGAACCTTCGCATCTTGACACCTGAAATGAAAAATACTGTGACACT 300
QY 1757 TAAATATGGGCTAGTTCTTACATGAAATGTTCTCTAGATTTCTAATATAGCAGTAT 1816
DB 301 TAAATATGGGCTAGTTCTTACATGAAATGTTCTCTAGATTTCTAATATAGCAGTAT 360
QY 1817 CTTACTATGTTACTGTAACCTCGAGTGTGATTTTAAATAGAGTTTCTGCAATG 1876
DB 361 CTTACTATGTTACTGTAACCTCGAGTGTGATTTTAAATAGAGTTTCTGCAATG 420
QY 1877 CTTTATGTC 1885
DB 421 CTTTATGTC 429

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RESULT 10
US-09-918-995-35346
; Sequence 35346; Application US/09918995
; Publication No. US20030073623A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; FILE REFERENCE: 20411-756
; CURRENT APPLICATION NUMBER: US/09/918,995
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/235,076
; PRIOR FILING DATE: 1999-01-20
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 35346
; LENGTH: 471
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(471)
; OTHER INFORMATION: n = A,T,C or G
US-09-918-995-35346

```

```

Query Match      19.7%; Score 423.2; DB 11; Length 471;

```


Qy 450 CCC 452.
DB 431 CCC 433

RESULT 13
US-09-917-800A-877/c
; Sequence 877, Application US/09917800A
; Patent No. US20020119462A1
GENERAL INFORMATION:
; APPLICANT: Mendick, Donna
; APPLICANT: Porter, Mark
; APPLICANT: Johnson, Kory
; APPLICANT: Castle, Arthur
; APPLICANT: Elashoff, Michael
; APPLICANT: Gene Logic, Inc.
; TITLE OF INVENTION: Molecular Toxicology Modeling
; FILE REFERENCE: 44921-5038-US
; CURRENT APPLICATION NUMBER: US/09/917,800A
; PRIOR FILING DATE: 2001-07-31
; PRIOR APPLICATION NUMBER: US 60/222,040
; PRIOR FILING DATE: 2000-07-31
; PRIOR APPLICATION NUMBER: US 60/222,880
; PRIOR FILING DATE: 2000-11-02
; PRIOR APPLICATION NUMBER: US 60/290,029
; PRIOR FILING DATE: 2001-05-11
; PRIOR APPLICATION NUMBER: US 60/290,645
; PRIOR FILING DATE: 2001-05-15
; PRIOR APPLICATION NUMBER: US 60/292,336
; PRIOR FILING DATE: 2001-05-22
; PRIOR APPLICATION NUMBER: US 60/295,798
; PRIOR FILING DATE: 2001-06-06
; PRIOR APPLICATION NUMBER: US 60/297,457
; PRIOR FILING DATE: 2001-06-13
; PRIOR APPLICATION NUMBER: US 60/298,884
; PRIOR FILING DATE: 2001-06-19
; PRIOR APPLICATION NUMBER: US 60/303,459
; PRIOR FILING DATE: 2001-07-09
; NUMBER OF SEQ ID NOS: 1740
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 877
; LENGTH: 671
; TYPE: DNA
; ORGANISM: Rattus norvegicus
; FEATURES:
; OTHER INFORMATION: Genbank Accession No. US20020119462A1 A1170679
; NAME/KEY: misc. feature
; LOCATION: (1)-(671)
; OTHER INFORMATION: n = a or c or g or t
US-09-917-800A-877

Query Match 19.6%; Score 419.8; DB 10; Length 671;
Best Local Similarity 81.3%; Pred. No. 8.7e-103;
Matches 536; Conservative 0; Mismatches 114; Indels 9; Gaps 4;

Qy 1403 CAGATCTCTGCTGATGTAACCTCTATAGCTTAATGACAGATCTGACAAATGA 1462
DB 671 CAGATCTCTGATGATGTAACCTCTATAGCTTAATGACAGATCTGACAAATGA 612
Qy 1463 GTGAAGCGGGAAATTTCTACAGGCGCTGTAATTAAGGCGATCTTTTACGAAG 1522
DB 611 GTGAAGCGGTAATTTCTACAGGCGCTGTAATTAAGGCGATCTTTTACGAAG 552
Qy 1523 TTCAAGATTATCTAAGAGATTGAAAGTATACAGATATGCTTGAATGATCACTCA 1582
DB 551 TTCAAGATTATCTAAGAGATTGAAAGTATACAGATATGCTTGAATGATCACTCA 492
Qy 1583 CAGTTTCAGAGATGTGACATTTGAAAAAATGTTTCAATTAAGGAAACGTTATCATCA 1642
DB 491 CGGTTTCAGAGATGTGACATTTGAAAAAATGTTTCAATTAAGGAAACGTTATCATCA 432
Qy 1643 TTGAATCATGTGTGACAGAAATTTGATTCCTGAGAGAGATTTAGAAACAAGATTG 1702

DB 431 TTGCAATCATGTGTGACAGAAATTTGATTCCTGAGAGAGATTTAGAAACAAGATTG 372
Qy 1703 TGCTGAAACCTTCGATCTTGACCACTGAAATGAAAAATAGTGGACCTT----- 1757
DB 371 TATCTGGAACTTCGATCTTGACCACTGAAATGAAATGACATGCTACACTTTCTAC 312
Qy 1758 AAATATGAGGCTAGTTTCTTACAATGAATGTTCTTAGAATTTAAATAGGAGGTAC 1817
DB 311 TAATATGGGCTAAAGATTTTACAAATGAATGTTCTTAGAATTTAAAGCAAGGTAC 252
Qy 1818 TTTA-CTATGTACTGATACCTGCGAGTGTGATTTTAAATAGATTTTCTGAGATG 1876
DB 251 TTTATTTACTATGTGTGATACCTGCGAGTGTGATTTTAAAGTAAAGTAAAGTAA 194
Qy 1877 CTTTATGCTTAAGAAAGCAAGATGAGCAATCTTCTCTTGAAGAAATCCCA 1936
DB 193 CTTTATGCTTAAGAAAGCAAGATGAGCAATCTTCTCTTGAAGAAATCCCTAG 134
Qy 1937 AAGTTAGTCACTTAAAGTCAATATGTTTAACTTAAATCGGCAACTTTGAGAGA 1996
DB 133 AAATTAGTCTCTTAAAGTCAATATTTTAACTTAAATCGGCAAGCTCTGAGA 74
Qy 1997 ACTTTAACAAGACCTCAATGATGATCACTTGAATGCTTGTGATTTCAAAATPAA 2055
DB 73 TC-TTCAACAAGACCTCAATGATGATCACTTGAATGCTTGTGATTTCAAAATPAA 16

RESULT 14
US-10-032-585-6645
; Sequence 6645, Application US/10032585
; Publication No. US20030180953A1
GENERAL INFORMATION:
; APPLICANT: Terry, Roemer D.
; APPLICANT: Bo, Jiang
; APPLICANT: Charles, Boone
; APPLICANT: Howard, Bussey
; TITLE OF INVENTION: Gene Disruption Methodologies for Drug Target Discovery
; FILE REFERENCE: 10182-005-999
; CURRENT APPLICATION NUMBER: US/10/032,585
; PRIOR FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 8000
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6645
; LENGTH: 1419
; TYPE: DNA
; ORGANISM: Candida albicans
US-10-032-585-6645

Query Match 19.3%; Score 413.8; DB 13; Length 1419;
Best Local Similarity 60.4%; Pred. No. 5.9e-101;
Matches 751; Conservative 0; Mismatches 462; Indels 30; Gaps 3;

Qy 501 TGATATATATCTTCGCTGTGAACAACTAGTGTGTGAACCTCAATGCTGTTGGG 560
DB 198 TGCAACAACCTGCTATATTTATCTAATTTGGCAGTTTGAATGATGTTAGG 257
Qy 561 AACGACATGGGCTGCAAGGCGCTTAAAGTCTGATGTTGTTGGAATGAAATACCT 620
DB 258 TACTTCATGAGGATGTTGCTTAAATCAATGATGAAATGAAATGATGTAATTT 317
Qy 621 TCTGATCTGATCTTCAAGCAATTTGAACATTTGAATTAACCTCAATACAGATGTTCC 680
DB 318 CTTGATCTGATCTTCAAGCAATTTGAACATTTGAATTAACCTCAATACAGATGTTCC 377
Qy 681 TCTGTTTATATGACTCTTTTAAACAGGATGAAATACCAAAAAATACTACAGAAATA 740
DB 378 ATATATGTTATGAACTCTTTCAACAGTATGTAACCGAAATGATCATTAAGAAATA 437
Qy 741 CAATCATTTGCTGTGAATTTCACTTCAATCAAGCAAGTATCCGAGAGATTAATA 800
DB 438 TCAAGCAACAGATCAAGATGAAATCTTTTAACTCAATGATGATGATGATGATGAT 497

```

QY 801 AGAATCTTACTTCTGTAGCAAGACGCTTACTCAGGGGAAATACAGAGCTTG 860
Db 498 AGATTCTTACTTCCAGTTCCAGATTCATTGATGATC-----TCTTGAAGCTTG 548
QY 861 GTACCTCCAGGTCAAGTGTATTTTACGCCAGTTTCAACACTGTGATGCTTGATAC 920
Db 549 GTATCTCCAGGTCAAGTGTATTTTGAAGCTTGTGATGATGCTTGATGATGATG 608
QY 921 CTTTATAGAGAGCAAGAGATATTTTGTGTCTAATGATGATGATGATGATGATG 980
Db 609 CTTGTATCTCAGAGAGAGAGATTTTGTGTCTAATGATGATGATGATGATGATG 668
QY 981 AGTGATCTGTATTTCTTAACTCATCTATGAAACCCCAATGAGAAACGCTGATAT 1040
Db 669 CTTGATCTCAGAGATTTTGTGACCACTATGAT-----TGAACTGTGTGATAT 716
QY 1041 TGTCAATGAGAGTCAAAATTAATAACAGTGTGATGATGATGATGATGATGATG 1100
Db 717 TATATGAGATTTGATCTCTAAGACAGAGCTGATGATGATGATGATGATGATGAT 776
QY 1101 TGAAGGCAACTGAGACTGTGTGATGATGATGATGATGATGATGATGATGATG 1160
Db 777 TCAAGGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 836
QY 1161 CAAGCTGTATCAAGTTCAAATTAATTAATAACAGTGTGATGATGATGATGATGATG 1220
Db 837 CAAGGTATTAATAATTAATAATTAATAATTAATAATTAATAATTAATAATTAATA 896
QY 1221 AGTAAAGACTGACAGAGCAAAATGCAATGATGATGATGATGATGATGATGATG 1280
Db 897 CATCAAGAAATTAATGCAAGCTGATGATGATGATGATGATGATGATGATGATG 956
QY 1281 TTTGATGAGAGC-----CTGAATGTCTTAATTAATAATGATGATGATGATG 1331
Db 957 TATTTCTATGCAATCAATCAATCAATCAATCAATCAATCAATCAATCAATCAAT 1016
QY 1332 CATCAAGATTTTGAAGATCTCTAGATTAATAATGCAAGAGACCGTTTCTGCTGT 1391
Db 1017 CATCAAGATTTTGAAGATCTCTAGATTAATAATGCAAGAGATTTTCAAGT 1076
QY 1392 CAACAACATCAATCTCTGCTGTGATGATGATGATGATGATGATGATGATGATG 1451
Db 1077 TAAACCTGCTGTGATGATGATGATGATGATGATGATGATGATGATGATGATG 1136
QY 1452 TCTGCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1511
Db 1137 TTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1196
QY 1512 TTTTCAAGAGTTCAGATTAATCTAAGAAATTTGAAGTATACAGATGATGATG 1571
Db 1197 TTTCAAGAAAGTCAAGTATTCATTAAGATTTCTTACATTCAGAAAGATTTGA 1256
QY 1572 GAATCACTCAAGTTGAGATGATGATGATGATGATGATGATGATGATGATGATG 1631
Db 1257 GGATCATTTGACATTAAGATGATGATGATGATGATGATGATGATGATGATGATG 1316
QY 1632 GGTATCATCATGCAATCATGATGATGATGATGATGATGATGATGATGATGATG 1691
Db 1317 AGTGTATTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1376
QY 1692 GAACAAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1734
Db 1377 AAATGTTGTTACTGTATCTGATGATGATGATGATGATGATGATGATGATG 1419

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RESULT 15
US-10-393-840-80
; Sequence 80, Application US/10393840
; Publication No. US20030229922A1
; GENERAL INFORMATION:
; APPLICANT: Blokeberg, Leonard N.
; TITLE OF INVENTION: Materials and Methods for the
; TITLE OF INVENTION: Modification of Plant Cell Wall Polysaccharides

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; FILE REFERENCE: 11000.1012c3
; CURRENT APPLICATION NUMBER: US/10/393.840
; PRIOR FILING DATE: 2003-03-20
; PRIOR APPLICATION NUMBER: US 09/636,800
; PRIOR FILING DATE: 2000-08-10
; PRIOR APPLICATION NUMBER: US 09/170,862
; PRIOR FILING DATE: 1998-10-13
; PRIOR APPLICATION NUMBER: US 60/148,426
; PRIOR FILING DATE: 1999-08-11
; PRIOR APPLICATION NUMBER: PCT NZ/99/00169
; PRIOR FILING DATE: 1999-10-08
; NUMBER OF SEQ ID NOS: 956
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 80
; LENGTH: 2045
; TYPE: DNA
; ORGANISM: Pinus radiata
US-10-393-840-80

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Query Match 18.3% Score 392.2; DB 12; Length 2045;
Best Local Similarity 57.9%; Pred. No. 5.3e-95;
Matches 785; Conservative 0; Mismatches 543; Indels 27; Gaps 4;

QY 353 AGCACACCAAAAAGACCTGATGATGATGATGATGATGATGATGATGATGATG 412
Db 404 AGATCAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 463
QY 413 AGGGGCTTCTGTGATGATGATGATGATGATGATGATGATGATGATGATGATG 472
Db 464 AAGAAAGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 523
QY 473 ATGAAAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 529
Db 524 AGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 583
QY 530 TAGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 589
Db 584 TGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 643
QY 590 GTCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 649
Db 644 CCGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 703
QY 650 ATTTGAATTAACCTCAATCAATGATGATGATGATGATGATGATGATGATGATG 709
Db 704 CTGTAACAAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 763
QY 710 ATGAAGATCAACCAAAATTAATCAAGATGATGATGATGATGATGATGATGATG 769
Db 764 ATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 823
QY 770 TCAATCAAGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 829
Db 824 TCAACCAAGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 877
QY 830 TGTCTTACTGAGGGAATTAAGAGCTGATGATGATGATGATGATGATGATGATG 889
Db 878 ---CTAAAGCTGATGATGATGATGATGATGATGATGATGATGATGATGATG 934
QY 890 CCAATTTCTAACAATGATGATGATGATGATGATGATGATGATGATGATGATGATG 949
Db 935 CCGCTCTTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 994
QY 950 TGTGTCTAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1009
Db 995 TCATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1054
QY 1010 TGAACCAACCAATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1069
Db 1055 TCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1102
QY 1070 CAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1129

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Db 1103 CAGATGTAAGGTGGTACACTTATCTTATGAAAGCAGAGTTCAAGCTTCTAGAGATTG 1162
 Qy 1130 CTCAAGTSCAAAAGCAGATGAGAGATTCAAGTCTGTATCAAGTTCAAAATATTTA 1189
 Db 1163 CACAGGTTCCAGAGAGAGATGTGGCGAATTCAGGCCATTGAAAGTTCAAAATCTTCA 1222
 Qy 1190 ATACAAACAACCTATGATTTCTCTTGAAGAGTTAAAGACTGCAGAGCAAAATGCCA 1249
 Db 1223 ATACCAATATTTATGAGGTGAACCTGAAGGCCATTAAAGGCTGTGTGAGAGCTGATGCTC 1282
 Qy 1250 TTGACATGGAATCATTTGTGAATGCAAGACTTTGATGAGAGCCTGATATCATTCAT 1309
 Db 1283 TTAATAATGAGATTAATCTTAATCCAAAGGAAGTGAATGGG--TAAAGGTCTTCAGC 1339
 Qy 1310 TAGAAATGACAGTAGGGGCTGCATCAAAAGTTTGAAGATTTCTAGTATTAATGTGC 1369
 Db 1340 TTGAAGCGGCTGCAGAGTCTGTATAGATTTTGTATGTCGAATGTGTCAATGTTC 1399
 Qy 1370 CAAGAGCCGTTTTCTGCTGTCAAAACCAATCAGATCTCTGCTGTGATGTCAACC 1429
 Db 1400 CAAGATCAAGGCTTCTCCAGAGGAAGCACTTCAGATTTACTACTGTGTGAGTGGATC 1459
 Qy 1430 TCTATAGTCTTAATGACAGATCTCTGACATGAGTGAAGGAGGAAATTTCTACAGTGC 1489
 Db 1460 TTTACACTGTGAGAGAGATTTGTGATCCGAATCTGTAGAGTCAACCTCAAAATC 1519
 Qy 1490 CTTGTTAAATTAGCAGATCTTTACGAAGGTTCAAGATTATCTAAGAGATTGAAA 1549
 Db 1520 CCACCATGAGTTGGTCTCTGAATTCAGAGAGGTTGGCACTTTCTAAGGCTTTCANGT 1579
 Qy 1550 GTATACAGATATGCTTGAATTTGATCACTCACAGTTTCAGAGATGTGACATTTGGAA 1609
 Db 1580 CCATACCTAGATCATTTGATGATGATTAAGGTGTCAAGTGTGTGTGTTGGCA 1639
 Qy 1610 AAAATGTTTCAATTAAGGGAACGTTATCATTCATTGCAATCATGTGTGACAGATTTGATA 1669
 Db 1640 GTGAGTCACTCTGAAGGGAAGTTATATTAATGAAAGCAAGCAGGGGCTACACTTGAGA 1699
 Qy 1670 TCCCACTGAGCAGATTTAAGAACAGATTGTG 1704
 Db 1700 TACCTGATGATCTGTGATGAAACAAAGTGTG 1734

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